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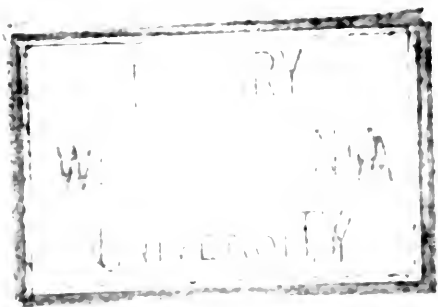
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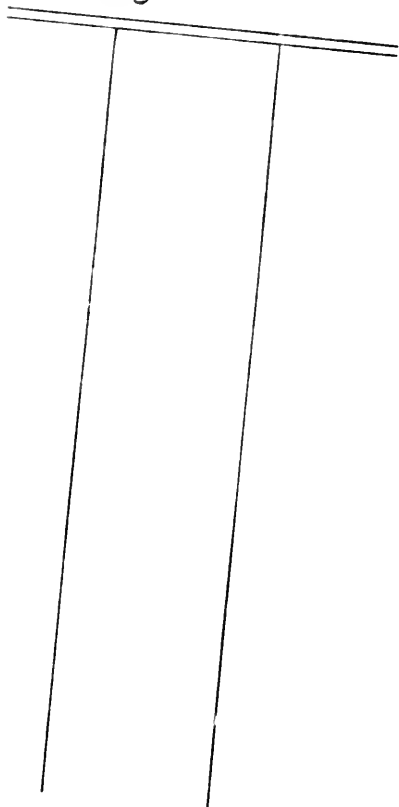
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Compliments of

James W. Paul,

Chief of Department of Mines.

WEST VIRGINIA, U. S. A.

ANNUAL REPORT

OF THE

DEPARTMENT OF MINES

FOR THE YEAR ENDING

JUNE 30, 1908.

JAMES W. PAUL,

CHIEF OF THE DEPARTMENT OF MINES,

CHARLESTON.



CHARLESTON.

THE TRIBUNE PRINTING CO.

1909.

West Virginia University



ERRATA.

- Page 3—13th line from bottom should read: Number of men Non-fatally injured 841.
- Page 8—Harrison County production should read: 3,123,093.
- Page 9—Harrison County acres coal worked out should read: 360,61.
- Page 9—Total acres of coal worked out should read: 5,905,64.
- Page 9—Total coal produced for year should read: 39,322,061.
- Page 11—O'Neil mine production should read:
- | | | |
|--------------------------|--------|-----------------|
| 1st six months | 61,184 | } Total 89,395. |
| 2nd six months | 28,211 | |
- Page 29—Clarksburg Fuel Company should read: 516,780.
- Page 30—Monongahela District total production should read: 9,558,368.
- Page 155—Harrison County kegs of powder used should read: 34,034.
- Page 164—5th column injured non-fatally should read: Total 841.
- Page 209—2nd line, 2nd column, For the State should read: 12,24.
- Page 209—2nd line from top Marion County, should read: 12,75.
- Page 210—Averages should read: Ohio 173, Illinois 144, Pennsylvania Bituminous Mines 1.95, Anthracite Mines 2.18, West Virginia 2.93; 1908, West Virginia 3.16.
- Page 214—2nd line, Mine cars should read: non-fatal 241, Total 841.

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PERSONEL OF THE DEPARTMENT OF MINES.

JAMES W. PAUL, *Chief of the Department of Mines.*

R. S. LARUE, *Inspector for First District.*

F. E. PARSONS, *Inspector for Second District.*

JOHN F. BRATT, *Inspector for Third District.*

*EDWARD V. BYRNE, *Inspector for Fourth District.*

J. A. SPRINGER, *Inspector for Fourth District.*

EARL A. HENRY, *Inspector for Fifth District.*

BONNER H. HILL, *Inspector for Sixth District.*

WM. WARNER, *Inspector for Seventh District.*

J. A. STRAUGHAN, *Inspector for Eighth District.*

JOHN PHILLIPS, *Inspector for Ninth District.*

D. R. PHILLIPS, *Inspector for Tenth District.*

JAMES G. BOYD, *Inspector for Eleventh District.*

PATRICK A. GRADY, *Inspector for Twelfth District.*

*Edward V. Byrne, Inspector, until March 1st, 1908.

LETTER OF TRANSMITTAL.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

To His Excellency, WM. M. O. DAWSON,
Governor of West Virginia.

SIR:—In compliance with law I have the honor to submit herewith my twelfth annual report, being the fourth annual report of the Department of Mines, for the year ending June 30, 1908, and embracing the twenty-sixth annual report upon the condition of the coal mines within the State as reported by the several district inspectors.

Very respectfully,
JAMES W. PAUL,
Chief of Department of Mines.

Charleston, W. Va., October 9th, 1908.

ANNUAL REPORT.

ANNUAL REPORT

To the Governor:

The report herewith is for the year ending June 30, 1908.

INSPECTIONS MADE.

The District Inspectors during the year made a total of 1912 records of inspections and visits to the mines. In addition to these a large number of visits were made for the purpose of conferring with officials relative to improvement of conditions within the mines.

LABOR IN MINES.

An effort has been made to ascertain the number of different nationalities that are employed within the mines of the State, but owing to the incomplete reports made by some of the operators the effort has been only partially successful.

On page 93 of this report may be found a summary of the nationalities employed. The table is complete with the exception of listing the nationalities of 8,707 persons.

Out of a total of 60,484 persons employed the nationality is reported upon 51,777, and of this number there are 23,979 white Americans, 11,720 Negroes, 6,046 Italians, 3,668 Hungarians, 1,901 Polish, and 4,913 employees of 24 other nationalities.

CHANGES OF INSPECTORS.

Effective February 1st, 1908, Mr. James G. Boyd, Inspector of the Eighth District, was transferred to inspection duties in the Eleventh District; Mr. J. A. Straughan, Inspector of the Seventh District, was transferred to the Eighth District, and Mr. Wm. Warner, Inspector of the Eleventh District, was transferred to the Seventh District.

On March 1st, 1908, Mr. J. A. Springer of Flemington, was appointed inspector of the Fourth Mining District to succeed Mr. E. V. Byrne who had held over in office by virtue of that provision in the Mining Laws which says, "whose term of office shall expire * * * * * or when their successors be appointed and qualified", no inspector having been previously appointed for the above named District.

PRODUCTION OF COAL AND COKE.

From the 817 producing mines operated by 388 firms, together with the small country mines, the coal produced during the fiscal year 1908 was 39,367,010 gross tons, a decrease under the previous year of 673,301 tons.

The coke manufactured was 2,978,263 net tons, a decrease under the previous year of 550,381 tons.

The total gross revenue obtained from the coal and coke summarizes as follows:

Total value of coal produced		\$41,538,230 60
Less value of coal used for steam at the mines....	\$ 767,255 56	
Less value of coal used in coke ovens.....	4,791,489 38	5,558,744 94
Total value of coal sold		\$35,979,485 66
Total value of coke produced		6,433,048 08
Total gross value of product placed on the market.....		\$42,412,533 74

From the following it is found that the decrease value under the previous year were: Coal, \$504,095.95; and Coke, \$2,334,558.13.

The following coal produced was disposed of in the following manner:

	(Tons of 2,240 lbs.)
Used in operating the mines	723,826
Furnishing local trade and tenants	608,134
Used in coke ovens	4,520,273
Shipped from the mines	33,514,777
Total	39,367,010

The above tonnage compared with the previous year originated in the several Geographical Districts as follows:

Districts.	1908.	1907.	Changes.
Potomac	1,785,305	1,883,933	D 98,628
Monongahela	9,603,317	10,176,636	D 573,319
Wheeling	1,037,682	1,302,054	D 264,372
Interior	157,166	93,592	I 63,574
Kanawha-New River	13,297,923	13,637,951	D 340,028
Norfolk & Western	13,305,617	12,766,145	I 539,472
Small mines in State	180,000	180,000	.....
Totals	39,367,010	40,043,311	D 673,301

MACHINE MINED COAL.

The quantity of coal mined by the use of machines was 15,387,695 tons which is 39.09 per cent. of the total coal production of the state, and 838,512 tons in excess of the machine mined coal during the year 1907.

There were 1,657 machines in use at mines and furnished employment to 14,377 persons.

The following tabulation exhibits the growth of machine mining since 1897:

PROGRESS OF MACHINE MINED COAL, 1897 TO 1908, INCLUSIVE.

(Tons of 2,240 lbs.)

YEAR.	No. of Mines Using Ma-chines.	No. of Ma-chines in Use	Total Em-ployes Incident to Ma-chines.	Tons Produced by Machines.	Percentage of Coal to Total Coal Production	Days Worked.
1897.....	16	55	652	600,418	5.12	197
1898.....	28	96	933	1,070,263	7.4	214
1899.....	41	141	1,608	1,733,279	10.68	240
1900.....	63	241	2,371	2,537,611	13.43	261
1901.....	90	386	3,967	3,582,853	17.65	225
1902.....	124	534	4,813	5,135,823	21.98	249
1903.....	181	795	6,531	6,312,894	27.50	201
1904.....	248	988	8,395	8,317,692	30.82	209
1905.....	280	1,158	10,237	10,315,781	32.74	213
1906.....	301	1,267	10,855	13,333,602	35.65	231
1907.....	360	1,508	12,248	14,549,183	36.34	234
1908.....	399	1,657	14,377	15,367,695	38.09	211
Totals.....	.....	8,826	76,987	82,877,124	Average	224

Tons for 1908 per each employe	1,070
Tons per each employe per year (average for 12 years).....	1,077
Tons produced by each machine per year (average for 12 years)...	9,350
Average days worked per year (average for 12 years)	224
Average tons produced by one machine (average for 12 years)....	429
Average tons produced by one machine per month of 26 days (Average for 12 years).....	1,115.4

TONS OF PICK MINED COAL PRODUCED PER EACH PICK MINER
IN COMMERCIAL COAL MINES, 1897 TO 1908, INCLUSIVE.

(Tons of 2,240 lbs.)

YEAR.	Pick Coal from Commercial Mines	Pick Coal from Small Country Mines.	Pick Miners in Commercial Mines.	Pick Miners in Small Country Mines.	Days Worked.	Tons Produced in Commercial Mines per Pick M'rs
1897.....	10,971,482	133,929	13,218	No rec'd	197	830
1898.....	13,064,572	140,000	14,036	"	214	932
1899.....	14,366,871	150,000	14,119	"	240	1,017.5
1900.....	16,199,300	150,000	14,723	"	261	1,100
1901.....	16,533,138	175,000	16,000	"	225	995
1902.....	18,043,260	180,000	15,969	"	249	1,120.8
1903.....	16,420,804	180,000	16,287	"	201	1,008
1904.....	18,497,025	170,000	18,860	"	209	979.7
1905.....	21,007,248	180,000	19,602	"	213	1,071.7
1906.....	23,889,872	180,000	19,132	"	231	1,248.7
1907.....	25,311,128	180,000	19,267	"	234	1,312
1908.....	23,799,315	180,000	21,728	"	211	1,095.3
Totals.....	218,124,015	1,998,929	202,981	.....	2,685	.....

Average tons per year for each miner (12 years)	1,074
Average time worked per year (12 years).....	224 days.

ACREAGE MINED.

The total acreage of coal mined within the State, based upon returns made by the operators, and calculations of this office, since 1897 is presented in the following tables:

1897	.....	1,733.9	Acres.
1898	.....	2,184.6	"
1899	.....	2,361.2	"
1900	.....	2,638.8	"
1901	.....	2,854.6	"
1902	.....	3,352.0	"
1903	.....	3,222.3	"
1904	.....	3,967.7	"
1905	.....	4,691.8	"
1906	.....	5,516.5	"
1907	.....	5,779.7	"
1908	.....	5,915.0	"
Total		44,219.3	"

DAYS WORKED.

The mines in the State averaged 211 days against 234 for the previous year.

TRANSPORTATION OF COAL AND COKE.

During the year the railroads within the State report having handled a total tonnage of 33,345,669 tons of coal, and 3,114,394 tons of coke, of which amounts there originated on the various lines 31,901,542 tons of coal and 2,869,157 tons of coke, while the coal operators report having shipped from the mines 37,334,950 net tons of coal. Between the tonnage originating on the railroads and that reported as shipped from the mines there is a difference of 6,085,417 net tons in excess of the tonnage reported by the railroads. This may be attributed to the railroads not having reported the fuel coal handled by the railroads, several of which failed to report the tonnage of West Virginia fuel consumed by the railroads.

KANAWHA RIVER SHIPMENT.

For the calendar year ending June 30th, 1908, the tonnage of coal and coke floated down the Great Kanawha River amounted to:

Coal, 1,484,748 net tons. Coke—none reported. This does not include the tonnage of fuel consumed by water craft and local river trade.

COKE OVENS AND COKE PRODUCTION.

At 124 Coke plants there is reported a total of 19,097 ovens, of which number 10,525 were in active service for 216 days, there being 8,572 ovens reported not in use during the year.

In the manufacture of 2,978,263 net tons of coke there were used 5,062,706 tons of coal, furnished employment to 14,377 persons.

A decrease of 850,381 tons under the previous year caused a decreased valuation of \$2,334,538.13. The average price per ton of coke was \$2.16, a decrease of .13 cents per ton during the year.

IMPROVEMENTS.

Many improvements made and some new construction was had during the year including 35 new coal plants; 33 Power Plants; 246 Coke Ovens; 47 Mine Fans; 12 Furnaces; 23 Tipples; 32 additional openings at old mines.

A detailed table of improvements appears on a subsequent page to which special attention is directed, showing the improvements by Counties.

MEN EMPLOYED.

During the year there were employed at the mines and coke ovens an average of 60,397 persons, an increase of 4,132 over the previous year. Of the total employes 21, 728 were pick miners; 2,750 machine runners and helpers; 11,627 machine miners; 12,833 inside laborers; 3,904 coke workers and 7,555, outside laborers.

To count the mine foremen, superintendents, store managers and clerks employed at the mines it would be safe to add 2,000 persons to the total above, making the total employes directly connected with the operation of the mines, 62,397.

WAGES.

The average price received by Pick Miners throughout the state per gross ton of run of mine coal was 46 cents against 49 cents the previous year.

Each pick miner averaged a production of 1,085 tons during the year, being 179 tons less than the previous year.

The average yearly wages received per pick miner was \$503.84, a decrease of \$139.21 under the previous year.

MACHINE MINING PRICES.

The following table exhibits the average prices received for cutting and loading machine coal:

MACHINE MINING PRICES.

Machine miners paid per ton, run of mine in rooms.....	31
Machine miners paid per ton, run of mine in headings.....	33
Machine miners paid per ton, screened in rooms	53
Machine miners paid per ton, screened in headings	55
Machine runners paid per day	2 54
Machine runners paid per ton, run of mine in rooms	07
Machine runners paid per ton, run of mine in headings	09
Machine runners paid per car	10
Machine runners paid per ton screened	10

SELLING PRICES.

The average selling price at the mines of all coal shipped was \$1.06 per gross ton of run of mine, an average of .01 per ton over the price received during the previous year.

Coke at the ovens sold on an average for the year at \$2.16 per ton, a decrease of .41 cents under the previous year.

STRIKES.

At two mines, strikes were had during the year, involving 308 employes, and a reported loss in wages of \$8,000.00, and to the operators a loss of \$4,500.00.

ACCIDENTS.

During the year there were 625 lives lost, 599 were inside and 26 outside of the mines, and of the 599 inside there were 390 killed in ten accidents.

A total of 852 non-fatalities occurred at mines of which 779 were inside and 73 outside of the mines.

From December 6th, 1908, to January 30th, 1908, inclusive, a total of 57 days there were 368 lives lost in two explosions, 359 in one and 9 in another.

Briefly summarized the explosions in which two or more persons were killed are as follows:

	Killed.
July 24th, 1907. Two Lick Mine, Harrison County, Powder (outside).....	3
Dec. 6th, 1907. Monongah Nos. 6 and 8 Mine, Marlon County. Dust.....	359
Jan. 30th, 1908. Bachman Mine, Fayette County, Dust	9
March 21st, 1908. Parral Shaft, Fayette County, Dynamite	2
April 22, 1908. Rick Knob Mine, Wyoming County, Powder	2
Total killed	375

Had it not been for the unusual severity of the explosions, the death rate due to accidents would have been very much below the normal fatality ratio.

Each of the accidents above listed, is fully described in another part of this report, and special attention is directed to the circumstances under which these horrible calamities occurred.

The principal agent of destruction in the greatest of these explosions was dust.

For the fourth time in the history of mining in this State the number killed by explosions exceeds that of persons killed by fall of roof.

During the year 1908 the causes and lives lost inside summarizes:

Killed by explosions all forms	370
Killed by fall of roof	155
Killed by mine cars	28
Killed by other causes	46
Total	599

Greater care should be exercised to prevent accidents by falls of roof and by mine cars.

The every day fatality does not impress public sentiment to the same extent as explosions, although the number killed by falls and mine cars have previously outnumbered those killed by explosions.

Since 1897 there have been killed inside the mines of the state by falls of roof 1,083 persons; by mine cars, 160 persons; by gas explosions, 124; by dust explosions, 368; and by all other causes, 456 persons.

As to the length of experience of persons killed and injured, for the

past eight years from 1901 to 1908 inclusive, there were injured and killed the following number of persons:

Having a mine experience of one year or less	1,104	persons.
2 to 5 years	1,110	"
6 to 10 years	488	"
11 to 25 years	271	"
26 to 50 years	49	"
Many years	163	"
Unknown	657	"
Total.....	13,842	"

The department has no record of the percentage of persons employed, with their terms of experience, but the table above is ample proof that a greater number having a year or less experience suffers the greatest loss.

Since 1883 the average lives lost inside for every 1,000 persons employed inside the mines has been—5.28.

During the year 1900 the ratio per each 1,000 was 6.09, but for the past year the ratio was—12.24.

ELECTROCUTIONS.

During the year nine lives were lost by electrocution, from 1899 to 1908 inclusive, there have been over 26 lives lost by electrocution within the mines.

FATAL ACCIDENTS INSIDE, THEIR CAUSES, SINCE 1897.

Causes.	1897	1898	1899	1900	1901	1902
Falls of roof	47	67	64	61	76	79
Mine cars	6	6	7	11	11	13
Gas explosions .....	..	1	..	50	10	..
Dust explosions .....	..	..	..	..	..	..
All other causes	7	2	8	11	24	18
Total	60	76	79	132	121	110
Causes.	1903	1904	1905	1906	1907	1908
Falls of roof	96	95	105	99	139	155
Mine cars	12	12	18	16	20	28
Gas explosions	24	3	1	4	29	2
Dust explosions .....	..	..	..	..	..	368
All other causes	15	13	52	131	136	46
Totals	147	123	176	250	324	599

SUMMARY OF ACCIDENTS INSIDE THE MINE 1908-1907.

(I—means increase. D—decrease.)

	1908	1907	Changes.
Number of employes inside	48,938	44,147	4,791 I
Number of days mines were operated.....	211	234	23 D
Number of persons killed inside	599	324	275 I
Number of days work accomplished	10,325,918	10,330,398	4,480 I
Number killed per 1000 employes inside	12.24	7.34	4.90 I
Number killed per 1000 days worked inside.....	.0441	.0313	.0128 I
Number injured non-fatally inside	779	430	349 I
Number injured per 1000 employes inside	17.409	9.739	7.670 I
Number injured per 1000 days worked outside ...	.0754	.0416	.0338 I
Number of inside employes for each fatality inside	122	136	14 D

TONNAGE PER FATALITY.

Since 1883 the average tons of coal produced per each fatality have been 229.681, including 1907, which is 62,699 tons per fatality. At those mines where fatal accidents occurred there was an average of one life lost for each 74,907 tons of coal produced.

The total of 599 lives lost inside occurred at 175 mines, employing 18,627 persons and producing 21,302,611 gross tons of coal, while at all other mines there were produced 17,884,399 tons of coal without the loss of a single life inside the mines.

EFFICIENCY OF THE LAW.

The ideal conditions for a full compliance with the law would be to have a State Inspector within each mine at all times. The purposes of the law would be more nearly met if mine foreman and fire bosses should be relieved of the duties placed upon them whereby they act as business managers in the economic operation of the mine. Mine-foremen, as contemplated by our law makers, should devote their entire time providing for the safety of the mine, and not be required to perform the duties of track layer, mule driver, or motor runner, as is done in some economic emergencies.

For the proper execution of the law it appears to need some strengthening, at least in some counties, where efforts to prosecute the miners have been successful, but not successful when the operators or officials are the subjects of prosecution. Through some process not clear to this department, the Courts have not disposed of prosecutions pending against mine officials.

In an effort to prevent the use of steam locomotives, within mines in McDowell and Mercer Counties, the Court held the law relating to steam locomotives to be unconstitutional and ordered re-opened the mine which had been closed by this Department.

The Jed mine in McDowell County which the Department closed for reason of the generation of dangerous quantity of explosive gases, was in like manner promptly ordered re-opened by the Court, and temporarily placed upon "terms", which the department so far has been unable to discover within the mine statutes. The latter case was appealed to the Court of Appeals but the petition was dismissed.

The depression in the coal business during the year has been quite helpful in the wholesale elimination of shooting on the solid. Miners being plentiful and work scarce enabled the mine operators to discipline the workmen in the proper manner of under-cutting and shooting the coal.

- SAFETY POWDERS.

During the year there have come into use for blasting purposes several makes of so-called safety explosives, some of which have been used with good effect in the extraction of coal and with safety to the miner.

SAFETY LAMPS.

During the year safety lamps have been introduced in whole or in part in a number of mines where explosive gases have appeared. In the

McDowell County field where the Pocahontas coal goes below water drainage explosive gas has appeared in a number of mines. In the White Oak field in Fayette County the deep shaft mines have shown the presence of gas to the extent that the department has required the use of safety lamps in parts of a number of mines, and at one time it became necessary to put the Stewart Shaft mine on safety lamps exclusively. Unless great care is exercised in the two fields mentioned above, a mine disaster may result.

It is the opinion of the writer that safety lamps should be used in all mines where as much as two per-cent of explosive gas is found in any part of the mine by the use of a safety lamp.

The State Mining Department should be required by law to class all mines under the list of gaseous, non-gaseous, naturally wet, naturally dry, and naturally dusty, and should be empowered to prescribe the tests to be made upon explosives permitted to be used within the different lists of mines, and to prescribe the limit of charge for each explosive.

BLACK POWDER.

Limiting the use of black powder in certain classes of mines and prescribing the conditions under which it may be used in all mines, would in my judgment mitigate against probable mine explosions.

WATERING OF MINES.

It is well known among the mining craft that during the Summer months all surfaces within coal mines accumulate moisture which is condensed from the atmosphere of the mine. During the colder winter months the surfaces become dry and the mine dusty. Various plans have been adopted at dry, dusty mines within the State to overcome this drying effect, among which are the watering car, pipe lines with hose attachments and the occasional use of steam, and experiments have been made with calcium carbonate, an anhydrous salt. During the Summer a process of depositing moisture by condensation is regular and continuous, while during the Winter the artificial methods are intermittent and imperfect, causing a series of wetting and drying, which materially affects the roof of the mine. To have the conditions during the Winter such as obtain during the Summer, the atmosphere of the mine should be kept at a high degree of saturation constantly, and this necessitates the heating of the in-take current in order that it may be able to carry in suspension watery vapor. To maintain a uniformity of humidity within the mine would lessen the loss of life by falls of roof.

FALLS OF ROOF.

Accidents by falls of roof are productive of the greatest number of all causes, and occur mostly at the working face. These could be largely reduced by a system of timbering and frequent inspection and greater care in the placing of shot holes.

LEGAL ADVICE.

During the year, much profitable assistance has been rendered this Department through the office of the Attorney General, but our Mine Law

makes no provision for the costs accruing through legal work done by the Attorney General for this department. A permanent public prosecutor detailed to conduct all prosecutions brought by the Mine Department would do more to advance the work of this department and locate the weak points of the law than any other legislation that I might propose. The services of the Department would be more efficient if its personnel could be eliminated from the intrigues and caprices of designing politicians.

BULLETINS.

During the month of May, 1908, upon approval of the Governor, the department began the publication of a monthly bulletin, an innovation not had by any other State mining Department. It occurs to the writer that if this bulletin is continued the compilation of an annual report would be unnecessary since the statistical features of the annual report could be incorporated in the bulletin at stated times.

ELECTRICITY IN MINES.

During the year the department took exception to the installation of electricity within the Federal Coal & Coke Co.'s mine in Marion County, unless such installation should be under, and in accordance with specifications approved by the Department. To this the Company agreed, and the specifications were prepared and approved. A copy of these specifications and correspondence relative thereto may be found in the Appendix to this report. It will be noticed that these specifications were agreed upon, pending such legislation on the subject as may be had by our Legislature.

DISTRICT INSPECTOR'S REPORTS.

Elsewhere in this report will be found the annual reports of the District Mine Inspectors upon the condition of the mines in their respective districts.

To Miss Frances L. Truslow, Clerk and Stenographer in this Department for the past nine years, I owe an acknowledgment for her fidelity and assistance in the compilation of the several publications issued.

The writer desires in conclusion to express his appreciation of the confidence reposed in him by your Excellency in his conduct of the affairs pertaining to this department.

Respectfully submitted,

JAMES W. PAUL,

Chief of the Department of Mines.

LARGE PRODUCERS.

The following 39 companies each produced over 200,000 gross tons of coal during the year.

Fairmont Coal Co.	3,794,977
The New River Company	1,771,751
Davis Coal & Coke Co.	1,532,847
Pocahontas Cons. Collieries Co.	1,400,313
United States Coal & Coke Co.	1,291,480
Cabin Creek Cons. Coal Co.	854,783
Sunday Creek Co.	749,525
United States Coal & Oil Co.	696,059
Paint Creek Collieries Co.	628,686
Boomer Coal & Coke Co.	612,252
New River & Pocahontas Cons. Coal Co.	531,789
Clarksburg Fuel Co.	516,780
Red Jacket Cons. Coal & C. Co.	516,297
McKell Coal & Coke Co.	506,063
New River Collieries Co.	412,708
Davis Colliery Co.	404,686
Thacker Coal & Coke Co.	391,856
Turkey Gap Coal & Coke Co.	356,248
Elkins Coal & Coke Co.	353,456
Pittsburg & Fairmont Fuel Co.	336,948
Mill Creek Coal & Coke Co. (including Coaldale)	336,111
Georges Creek Coal & Iron Co.	326,000
American Coal Co. (Crane Creek & Pinnacle)	293,326
The Virginia & Pittsburg Coal & C. Co.	282,637
Houston Coal & Coke Co.	282,415
Pulaski Iron Co.	278,273
The Century Coal Co. of W. Va.	262,088
The Empire Coal & Coke Co.	233,820
Raleigh Coal & Coke Co.	231,775
Crozer Coal & Coke Co.	231,766
McDowell Coal & Coke Co.	228,182
Hitchman Coal & Coke Co.	226,809
The Campbells Creek Coal Co.	225,451
The Carver Bros. Co.	221,183
New River & Poca. Cons. C. Co.	220,760
Page Coal & Coke Co.	220,488
Ashland Coal & Coke Co.	213,703
Kellys Creek Colliery Co.	203,123
West Virginia Colliery Co.	201,604



STATISTICAL.

**COAL TONNAGE OF THE LEADING COAL PRODUCING STATES FOR
THE CALENDAR YEAR 1907.**

Figures Taken from the U. S. Geological Survey's Report on Coal for 1907.

Rank.	(Ton of 2,000 lbs.)	
1. Pennsylvania	<div> <div>Bituminous</div> <div>Anthracite</div> </div>	<div>150,143,177</div> <div>85,604,312</div>
2. Illinois		51,317,146
3. West Virginia		48,091,583
4. Ohio		32,142,419
5. Alabama		14,250,454
6. Indiana		13,985,713
7. Colorado		10,790,236
8. Kentucky		10,753,124
9. Iowa		7,574,322
10. Kansas		7,322,449
11. Tennessee		6,810,243
12. Wyoming		6,252,990
13. Maryland		5,532,628
14. Virginia		4,710,895
15. Missouri		3,997,936
16. Washington		3,680,532
17. Oklahoma (Indian Territory)		3,642,658
Total		466,602,817
Total for all other states		13,760,607
Total for the United States		480,363,424
West Virginia for the year ending June 30th, 1908		44,091,051
(Report of the Department of Mines of West Virginia.)		

THE FOLLOWING TABLE EXHIBITS A COMPARATIVE STATEMENT AND SUMMARY OF THE ANNUAL REPORTS
FOR 1908 AND 1907.

	For year ending June 30, 1908.	For year ending June 30, 1907.	Increase of 1908 over 1907.	Decrease of 1908 under 1907.
Number of counties in which coal is mined on a commercial scale.....	33	32	1	
Number of firms operating coal mines on a commercial scale.....	388	385	3	
Number of openings of all kinds subject to the mining law.....	817	788	29	
Number of tons (2,240 lbs.) of pick mined coal from commercial mines.....	23,590,315	25,311,128		1,511,813
Number of tons (2,240 lbs.) of machine mined coal from commercial mines.....	15,387,695	14,549,183		
Total number of tons (2,240 lbs.) of coal from commercial mines.....	39,187,010	39,860,311		673,301
Estimated tons of coal from small mines (tons of 2,240 lbs.).....	180,000	180,000		
Total number of tons of coal from all mines (tons of 2,240 lbs.).....	39,367,010	40,040,311		673,301
Number of tons of coal converted into coke (2,000 lbs.).....	3,062,706	3,828,888		1,166,182
Number of tons of coke manufactured (2,000 lbs.).....	2,978,263	3,828,649		850,381
Total value of coal at the mines.....	\$ 41,538,230.60	\$ 42,042,326.56		\$ 504,095.95
Total value of coke at the ovens.....	\$ 6,433,048.08	\$ 8,767,606.21		\$ 2,334,558.13
Value of a ton of coal at the mines (2,240 lbs.).....	1.06	1.05	.01	
Value of a ton of coke at the ovens (2,000 lbs.).....	2.16	2.29		
Number of mining machines in use.....	1,757	1,508	149	
Average number of coke ovens in use.....	10,525	12,739		2,214
Number of days the ovens were in operation.....	211	234		23
Number of pick miners employed in operation.....	216	257		41
Number of machine operators and miners employed in commercial coal mines.....	21,728	19,287	2,441	
Number of underground laborers in commercial coal mines.....	14,357	12,248	2,139	
Number of outside employes connected with the commercial coal mines.....	12,833	12,612	221	
Number of coke employes.....	7,555	7,309	246	
Total number of men employed at the commercial coal mines and ovens.....	3,904	4,809		905
Number of men killed.....	60,397	56,265	4,132	
Number of men injured non-fatally.....	625	556	69	
Number of men employed for each man killed.....	852	448	404	
Number of men employed for each man injured.....	46	158		62
Tons of coal mined in commercial mines for each fatality.....	71	126		55
Tons of coal mined in commercial mines for each non-fatality.....	62,987	111,967		48,980
Number of wives left widows.....	46,205	88,980		22,775
Number of children left fatherless.....	277	155	122	
Number of coal worked out.....	581	285	296	
Acres of coal worked out.....	5,915.03	5,770.72	135.31	
Number of tons of coal produced in commercial mines per miner, pick and machine miners, and runners included.....	1,085	1,264		179
Average earnings of each pick miner per year.....	\$ 503.84	\$ 643.05		\$ 139.21
Average earnings of each pick miner per month.....	\$ 41.99	\$ 53.59		\$ 11.60
Average price per ton of 2,240 lbs. for mining run-of-mines coal (cents).....	46	49		3

TABLE SHOWING PRODUCTION OF COAL AND COKE FOR THE
YEARS 1883 TO 1908, INCLUSIVE.

*YEARS	COAL. (Tons of 2,240 lbs.)	COKE. (Tons of 2,000 lbs.)	YEARS.	COAL. (Tons of 2,240 lbs.)	COKE. (Tons of 2,000 lbs.)
1883.....	2,805,565	190,889	1896.....	12,662,468	1,594,691
1884.....	3,000,000	182,000	1897.....	11,705,829	1,374,497
1885.....	3,008,091	187,619	1898.....	14,294,865	1,742,256
1886.....	3,213,093	228,623	1899.....	16,250,156	1,950,179
1887.....	4,207,639	481,477	1900.....	18,886,911	2,496,107
1888.....	4,799,611	517,317	1901.....	20,290,991	1,932,912
1889.....	4,663,857	360,716	1902.....	23,359,983	2,429,744
1890.....	5,643,946	892,490	1903.....	22,913,698	2,483,376
1891.....	7,281,427	1,208,418	1904.....	26,984,715	2,276,451
1892.....	7,777,570	1,333,439	1905.....	31,503,029	2,738,777
1893.....	9,758,991	1,090,909	1906.....	37,403,474	3,534,314
1894.....	9,427,028	1,067,156	1907.....	40,040,311	3,828,649
1895.....	9,878,099	1,204,657	1908.....	39,367,010	2,978,263

* Calendar years 1883 to 1887 inclusive. Since 1887 the Coal and Coke Statistics have been given for the fiscal years ending June 30th.

TABLE SHOWING THE COKE PRODUCTION, BY COUNTIES, FROM
1897 TO 1902, INCLUSIVE.

(Tons of 2,000 pounds.)

COUNTIES.	1897	1898	1899	1900	1901	1902
Barbour.....		1,350	5,980	12,579	12,666	15,682
Fayette.....	329,089	394,052	454,999	481,629	442,411	515,398
Harrison.....		5,419	5,871	15,994	5,190	16,572
Kanawha.....	20,132	21,578	10,983	32,665	30,722	29,722
Marion.....	142,043	149,060	155,985	298,119	118,285	210,451
McDowell.....	567,070	731,681	923,196	1,076,033	953,702	929,433
Mercer.....	115,522	149,061	192,932	207,277	167,769	175,083
Monongalia.....	2,778	12,337	5,204	17,077	5,777	19,948
Preston.....	19,567	28,450	34,023	46,250	6,500	18,930
Raleigh.....	18,454	20,007	20,398	15,460		
Randolph.....				3,223	13,498	38,845
Tucker.....	159,842	229,261	140,638	295,731	176,392	279,680
Totals.....	1,374,497	1,742,256	1,950,179	2,496,107	1,932,912	2,249,744

TABLE SHOWING THE COKE PRODUCTION, BY COUNTIES, FROM
1903 TO 1908, INCLUSIVE.

(Tons of 2,000 pounds.)

COUNTIES.	1903	1904	1905	1906	1907	1908
Barbour.....	20,991	19,128	11,967	17,643	34,039	44,359
Fayette.....	427,060	434,919	436,163	614,428	615,577	415,425
Harrison.....	62,382	621		768	22,399	1,092
Kanawha.....	25,759	9,547	19,993	31,527	18,287	12,124
Marion.....	282,924	102,416	127,850	171,621	233,790	105,743
McDowell.....	1,016,988	1,170,200	1,380,805	1,699,426	1,744,819	1,681,884
Mercer.....	167,567	190,132	267,697	318,357	313,117	219,597
Monongalia.....	30,509	22,999	42,802	58,264	113,031	76,386
Preston.....	34,627	27,611	79,757	142,236	222,876	138,644
Raleigh.....						497
Randolph.....	120,387	77,077	146,243	231,619	244,054	129,273
Tucker.....	284,122	221,801	231,500	253,492	262,951	149,229
Taylor.....					1,747	
Upshur.....					2,100	4,010
Totals.....	2,483,376	2,276,451	2,738,777	3,534,314	3,828,649	2,978,263

TABLE SHOWING THE COAL PRODUCTION BY COUNTIES, FROM 1888 TO 1897, INCLUSIVE.

(Tons of 2,240 pounds.)

COUNTIES.	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897
Barbour.....							7,536			31,658
Brooke.....	17,108	19,203	32,857	33,969	35,046	29,375	32,443	50,013	49,623	42,198
Fayette.....	1,522,430	989,276	1,302,335	1,157,617	1,564,579	2,350,250	1,195,102	2,102,090	3,253,547	2,993,061
Hancock.....										33,838
Harrison.....	113,630	111,440	128,964	113,298	142,960	248,099	275,297	204,442	153,772	221,249
Kanawha.....	982,310	976,396	1,021,389	1,209,386	1,175,371	1,210,749	1,143,626	1,078,253	1,088,737	1,042,745
Logan.....							52,673	40,610		
Marion.....	253,675	245,899	406,900	722,594	903,896	468,296	1,198,336	1,198,336	1,219,017	1,368,682
Marshall.....	59,172	84,606	110,418	118,242	163,863	110,530	137,762	137,762	148,128	162,396
Mason.....	85,870	126,797	129,744	116,598	123,223	141,104	92,764	171,074	101,418	111,535
McDowell.....		245,760	504,222	704,871	1,100,882	1,876,838	2,340,581	2,440,551	2,836,013	2,617,917
Mercer.....	762,645	744,803	744,403	1,210,723	1,175,141	1,196,574	886,912	865,379	1,298,417	873,700
Mineral.....	468,618	433,365	512,217	623,067	473,862	557,488	489,808	614,750	554,492	537,169
Mingo.....								93,279	111,800	267,789
Monongalia.....		6,850	28,000	46,100	70,062	97,905	62,155	47,653	32,080	31,288
Ohio.....		159,664	92,487	80,738	82,534	48,681	49,821	88,691	122,106	95,378
Preston.....		131,325	139,320	134,467	82,089	105,618	39,936	52,365	116,361	120,211
Putnam.....		107,325	183,184	156,866	154,962	197,733	148,474	122,057	161,555	131,522
Raleigh.....							48,365	84,762	89,279	63,701
Randolph.....						997				
Taylor.....	66,439	177,901	68,403	83,851	74,000	68,925	72,229	86,536	43,469	178,397
Tucker.....	48,256	79,647	219,087	189,050	369,320	538,950	418,805	316,345	523,624	647,666
Wayne.....					55,920	21,839	40,720	21,101	2,000	
Small Mines.....									125,000	133,929
Totals.....	4,799,611	4,663,857	5,643,946	7,281,427	7,577,350	9,738,991	9,427,028	9,878,099	12,062,468	11,703,829

TABLE SHOWING THE COAL PRODUCTION BY COUNTIES, FROM 1898 TO 1908, INCLUSIVE.

(Tons of 2,240 pounds.)

COUNTIES.	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Barbour.....	48,000	63,275	73,041	226,047	394,768	525,924	690,807	556,158	638,253	776,245	829,046
Brooke.....	56,743	63,176	61,396	65,904	55,857	24,206	37,804	183,803	378,312	526,907	458,284
Braxton.....										56,774	91,763
Clay.....								60,455	66,087	60,352	42,401
Fayette.....	3,980,206	4,446,469	4,547,002	5,315,702	5,724,882	4,075,324	5,650,217	6,738,343	7,635,839	7,277,277	6,851,271
Grant.....						25,480	113,969	167,055	228,837	271,542	242,442
Greenbrier.....										312	6,687
Glimer.....										31,978	36,008
Hancock.....	42,870	39,440	47,013	30,357	38,085	70,495	69,700	58,029	53,557	78,280	66,511
Harrison.....	271,354	413,150	647,430	1,088,715	1,662,144	2,108,336	2,445,202	2,560,905	3,030,737	3,423,319	3,168,012
Kanawha.....	1,213,116	1,293,068	1,456,890	1,727,115	1,863,386	1,878,752	2,732,078	3,126,638	4,086,102	4,626,101	4,523,739
Lincobh.....					12,053	53,330	31,744	7,695	15,801	17,589	25,064
Lewis.....										5,528	22,640
Logan.....	1,639,625	2,392,983	2,925,907	2,674,553	3,172,194	2,668,914	2,785,350	3,251,999	3,629,805	740,007	1,215,039
Marion.....	165,874	233,800	242,176	199,633	301,179	279,276	315,273	380,066	411,061	3,619,764	3,440,666
Marshall.....										560,427	3,389,189
Mason.....	109,204	106,807	85,367	98,437	113,327	102,282	89,009	77,846	108,420	93,211	109,738
McDowell.....	3,183,529	3,516,668	4,142,102	4,219,251	4,734,199	5,249,913	5,524,376	6,810,730	7,806,524	8,123,090	8,515,059
Meer.....	1,004,379	1,144,258	1,046,937	1,052,153	1,104,523	1,274,003	1,274,070	1,728,320	2,023,460	2,009,522	1,823,674
Mineral.....	510,757	554,286	562,697	513,772	552,181	514,484	467,613	505,171	540,147	867,172	622,236
Mingo.....	383,280	350,204	405,695	501,410	635,113	804,494	1,153,013	1,375,235	1,713,253	1,867,100	1,714,807
Monongalia.....	68,807	56,793	82,148	75,389	130,371	148,074	194,340	178,732	196,074	232,696	271,843
Nicholas.....								51,524	90,921	57,412	61,806
Ohio.....	96,912	119,960	36,610	115,830	148,852	129,888	101,207	91,752	101,768	136,350	143,698
Preston.....	169,041	277,173	402,610	434,713	440,328	574,741	689,139	651,122	827,172	1,079,692	874,786
Putnam.....	128,851	164,004	293,449	125,321	208,712	178,904	295,914	310,576	405,341	401,413	424,424
Raleigh.....	79,315	93,370	68,360	102,089	272,106	244,088	406,226	661,180	823,666	1,104,676	1,259,420
Randolph.....	31,975	103,207	103,207	167,883	265,087	388,487	356,531	416,334	569,443	609,380	545,803
Taylor.....	109,532	249,103	376,030	383,223	415,502	294,524	234,502	232,161	308,563	416,138	396,358
Tucker.....	831,497	490,638	1,098,874	988,304	1,011,435	1,078,997	1,037,758	961,293	1,057,800	1,005,219	920,568
Upshur.....									5,809	39,502	76,773
Wayne.....								21,165	14,914	25,217	35,756
Wyoming.....											180,000
Small Mines.....	140,000	150,000	150,000	175,000	180,000	180,000	170,000	180,000	180,000	180,000	180,000
Totals.....	14,294,865	16,250,150	18,886,911	20,260,991	23,359,083	22,913,698	23,984,715	31,503,029	37,403,474	40,040,311	39,367,010

ORDER IN THE PRODUCTION OF COAL, 1897—1908.

COUNTIES.	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Fayette	1	1	1	1	1	1	2	1	2	2	2	2
McDowell	2	2	2	2	2	2	1	2	1	1	1	1
Marion	3	3	3	3	3	3	3	4	3	4	4	4
Kanawha	4	4	4	4	4	4	5	3	4	3	3	3
Mercer	5	5	5	6	6	6	6	6	6	6	6	6
Harrison	9	9	8	7	5	5	4	5	5	5	5	5
Tucker	6	6	7	5	7	7	7	8	8	8	10	10
Mingo	8	8	9	9	9	8	8	7	7	7	7	7
Mineral	7	7	6	8	8	9	11	11	12	13	14	13
Preston	13	11	10	10	10	10	9	10	10	9	9	11
Taylor	10	10	11	11	11	11	14	16	16	16	17	17
Marshall	11	12	12	12	13	16	13	14	14	15	15	18
Randolph				14	14	14	12	13	13	12	13	14
Barbour	19	19	17	18	12	12	10	9	11	11	11	12
Raleigh	16	16	16	19	17	13	15	12	9	10	8	8
Putnam	12	13	13	13	15	15	16	15	15	14	18	16
Ohio	15	15	14	15	16	17	18	19	21	22	21	21
Brooke	17	18	18	20	20	20	23	22	17	17	16	15
Mason	14	14	15	16	18	19	19	20	22	21	22	22
Grant							22	18	19	19	20	20
Logan									20	18	12	9
Monongalia	20	17	19	17	19	18	17	17	18	20	19	19
Hancock	18	20	20	21	21	21	20	21	24	24	23	25
Clay						21		25	23	23	24	27
Nicholas						22	24	24	25	25	25	26
Lincoln						23	21	23	27	26	30	30
Braxton											26	23
Wayne									26	27	29	29
Upshur										28	27	24
Greenbrier											28	28
Lewis											31	31
Gilmer											32	32
Wyoming												33

TABLE SHOWING THE COMPARATIVE STATEMENT OF THE COAL PRODUCTION FOR 1908 AND 1907.

(Tons of 2,240 pounds.)

COUNTY.	Coal Production for		Increase of 1908 over 1907	Decrease of 1908 under 1907
	1908	1907		
Brooke	458,284	526,997	.....	68,713
Hancock	66,511	78,280	.....	11,769
Marion	3,440,666	3,619,764	.....	179,098
Marshall	369,189	560,427	.....	191,238
Ohio	143,698	136,350	7,348	.....
Harrison	3,168,042	3,343,319	.....	175,277
Lewis	22,640	5,528	17,112	.....
Upshur	76,773	39,502	37,271	.....
Barbour	829,046	776,245	52,801	.....
Monongalia	271,843	292,596	.....	20,753
Preston	874,786	1,079,692	.....	204,906
Taylor	396,358	416,138	.....	19,780
Grant	242,442	271,542	.....	29,100
Mineral	622,295	607,172	15,123	.....
Randolph	545,803	609,780	.....	63,977
Tucker	920,568	1,005,219	.....	84,651
Braxton	91,763	55,774	35,989	.....
Gilmer	6,697	312	6,385	.....
Mason	109,738	93,211	16,527	.....
Putnam	424,424	401,413	23,011	.....
Clay	42,461	60,252	.....	17,791
Fayette	6,851,271	7,277,297	.....	426,026
Kanawha	4,523,739	4,626,101	.....	102,362
Nicholas	61,806	57,412	4,394	.....
Greenbrier	36,066	31,978	4,088	.....
Raleigh	1,259,420	1,104,676	154,744	.....
Mercer	1,823,674	2,509,522	.....	185,848
McDowell	8,515,689	8,123,699	391,990	.....
Wyoming	.....	.....	652	.....
Lincoln	25,064	17,589	7,475	.....
Logan	1,215,039	740,607	474,432	.....
Mingo	1,714,807	1,867,100	.....	152,293
Wayne	35,756	25,217	10,539	.....
Totals	39,187,010	39,860,311	1,259,881	1,933,182
Small mines	180,000	180,000	.....	.....
Grand Totals	39,367,010	40,040,311	1,259,881	1,933,182

ORDER IN THE PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	Number of Mines producing Coal.	Production of Coal. (Tons of 2,240 lbs.)		Production of Coke. (Tons of 2,000 lbs.)		Order in Production.	
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year.	1st 6 Mos.	2nd 6 Mos.	Total for the Year.
Brooke.....	6	232,142	206,142	438,284	.....	.....	.....
Hancock.....	3	35,754	30,757	66,511	.....	.....	.....
Marion.....	27	1,914,465	1,526,201	3,440,666	69,086	36,707	105,793
Marshall.....	7	200,067	109,122	309,189	.....	.....	.....
Ohio.....	9	82,292	61,406	143,698	.....	.....	.....
Preston.....	56	1,871,426	1,296,616	3,168,042	1,016	76	1,092
Harrison.....	1	10,267	12,373	22,640	.....	.....	.....
Lewis.....	4	42,194	34,579	76,773	4,010	.....	.....
Putnam.....	4	457,038	372,008	829,046	.....	.....	.....
Barbour.....	17	176,065	46,778	222,843	11,615	11,615	44,359
Monongalia.....	8	561,210	313,576	874,786	54,783	76,386	131,169
Preston.....	19	219,885	176,473	396,358	84,192	54,452	138,644
Taylor.....	10	144,460	97,982	242,442	.....	.....	.....
Grant.....	3	341,017	281,278	622,295	.....	.....	.....
Mineral.....	19	325,765	220,668	546,433	99,344	29,920	129,263
Randolph.....	8	365,380	353,178	718,558	112,801	36,428	149,229
Tucker.....	14	47,240	44,523	91,763	.....	.....	.....
Braxton.....	2	5,357	1,340	6,697	.....	.....	.....
Gilmer.....	1	71,411	38,327	109,738	.....	.....	.....
Mason.....	7	209,078	215,346	424,424	.....	.....	.....
Putnam.....	10	29,504	12,957	42,461	.....	.....	.....
Clay.....	4	3,896,107	2,955,164	6,851,271	291,306	124,119	415,425
Fayette.....	138	2,682,524	1,841,215	4,523,739	12,124	.....	.....
Kanawha.....	115	39,568	22,208	61,776	.....	.....	.....
Nicholas.....	1	16,220	19,846	36,066	.....	.....	.....
Greenbrier.....	36	641,473	617,947	1,259,420	497	.....	.....
Raleigh.....	27	1,072,616	751,658	1,823,674	143,253	76,344	219,597
Mercer.....	97	4,904,674	3,611,015	8,515,689	932,067	749,817	1,681,884
McDowell.....	1	179	13,473	13,652	.....	.....	.....
Wyoming.....	1	9,694	13,370	23,064	.....	.....	.....
Lincoln.....	3	652,874	562,165	1,215,039	.....	.....	.....
Logan.....	22	987,291	727,516	1,714,807	.....	.....	.....
Mingo.....	37	24,117	11,639	35,756	.....	.....	.....
Wayne.....	1	.....	.....	.....	.....	.....	.....
Totals.....	721	22,549,394	16,637,616	39,187,010	1,837,173	1,141,090	2,978,263
Small mines.....	.....	90,000	.....	180,000	.....	.....	.....
Grand Totals.....	721	22,639,394	16,727,616	39,367,010	1,837,173	1,141,090	2,978,263

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

COUNTY.	Prod. of Coal (Tons of 2,240 lbs.)		Distribution of Coal (Tons of 2,240 lbs.)			Prod. of Coke (Tons of 2,000 lbs.)		Acres of Coal Worked Out.		
	1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year.	Used in Operat'n of Mine.	Furnished Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped from Mine.		1st 6 Mos.	2nd 6 Mos.	Total for the Year
Brooke.....	252,142	206,142	458,284	4,675	121,699	670	331,240	.....	.....	.....
Hancock.....	37,754	30,757	68,511	1,153	6,736	.....	58,622	.....	.....	83,83
Marion.....	1,914,465	1,526,201	3,440,666	53,373	15,364	154,900	3,217,029	69,036	36,707	105,743
Marshall.....	260,067	169,122	429,189	5,812	66,711	.....	296,666	.....	.....	55,86
Ohio.....	82,262	61,406	143,668	1,913	36,428	.....	105,357	.....	.....	23,18
Harrison.....	1,871,426	1,296,616	3,168,042	28,734	12,034	1,405	3,125,869	1,016	76	1,092
Lewis.....	10,267	12,373	22,640	863	357	.....	21,300	.....	.....	3,60
Unshur.....	42,194	34,579	76,773	1,778	946	6,015	68,634	4,010	.....	4,010
Barbour.....	457,008	372,008	829,016	14,054	3,515	68,705	742,772	32,544	11,615	118,89
Monongalia.....	176,065	95,778	271,843	9,691	1,139	109,221	151,702	54,583	21,003	75,586
Preston.....	501,201	313,576	814,776	24,729	8,068	221,479	620,510	84,192	54,452	138,644
Taylor.....	219,885	176,473	396,358	1,964	1,206	.....	383,108	.....	.....	46,36
Grant.....	144,400	97,982	242,442	12,786	1,171	.....	228,485	.....	.....	41,70
Mineral.....	311,017	281,278	592,295	1,933	3,321	168,296	369,304	99,314	29,929	129,273
Randolph.....	325,765	220,698	546,463	6,054	2,149	2,149	664,632	112,801	36,428	149,229
Tucker.....	565,330	355,178	920,508	25,821	6,009	223,306	89,475	.....	.....	14,75
Braxton.....	47,220	44,323	91,543	1,291	997	.....	89,475	.....	.....	85
Gilmer.....	5,337	1,340	6,677	.....	401	.....	6,296	.....	.....	18,75
Mason.....	71,411	38,327	109,738	2,521	29,530	.....	77,687	.....	.....	61,55
Putnam.....	299,078	215,346	514,424	3,353	5,516	.....	415,555	.....	.....	6,85
Clay.....	29,504	12,957	42,461	419	5,702	36,340	.....	.....	.....	1,224,71
Fayette.....	3,896,107	2,955,164	6,851,271	154,761	89,073	632,388	5,975,049	291,306	124,119	415,425
Kanawha.....	2,632,524	1,841,215	4,473,739	75,885	54,313	17,803	4,375,738	12,124	.....	12,124
Nicholas.....	30,598	22,208	52,806	2,565	1,571	.....	57,650	.....	.....	15,00
Greenbrier.....	16,220	19,846	36,066	711	.....	.....	35,355	.....	.....	7,51
Raleigh.....	641,473	617,347	1,258,820	34,961	11,894	666	1,211,909	497	.....	497
Mercer.....	1,072,616	751,658	1,824,274	29,019	12,118	333,307	1,449,250	143,253	76,344	219,597
McDowell.....	4,904,674	3,611,015	8,515,689	168,818	70,354	2,581,912	5,694,605	932,067	749,817	1,681,884
Wyoming.....	179	473	652	652	652	.....	.....	.....	.....	24
Lincoln.....	9,694	15,370	25,064	1,058	329	.....	23,677	.....	.....	3,56
Logan.....	652,874	562,165	1,215,039	15,709	10,192	.....	1,189,138	.....	.....	172,62
Mingo.....	287,291	727,516	1,014,807	37,392	27,087	.....	1,650,388	.....	.....	257,43
Wayne.....	24,117	11,639	35,756	.....	892	.....	34,864	.....	.....	8,51
Totals.....	22,549,594	16,637,616	39,187,210	723,826	608,134	4,520,273	33,354,777	1,837,173	1,141,090	2,978,263
Small Mines.....	90,000	90,000	180,000	.....	.....	.....	180,000	.....	.....	.....
1908 Grand totals..	22,639,594	16,727,616	39,367,210	722,826	608,134	4,520,273	33,514,777	1,837,173	1,141,090	2,978,263
1907 Grand totals..	19,287,639	20,752,672	40,040,311	597,828	418,390	5,561,506	33,462,587	1,731,111	2,097,538	3,828,649
Changes.....	*3,351,955	*4,025,036	*467,301	*125,998	*189,744	*1,041,233	*21,052,190	*106,062	*356,448	*135,51
										* Increase of 1908 over 1907.

* Decrease of 1908 under 1907.

* Increase of 1905 over 1907.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.).		Total Coal Produced for Year.	Distribution of Coal (Tons of 2,240 lbs.).		Quant-ity Shipped from Mine.	Production of Coke (Tons of 2,000 lbs.).			
		1st 6 Mos.	2d 6 Mos.		Used in operation of Mine.	Furnish- ing Local Trade and Tenants.		Used in Coke Ovens.	1st 6 Mos.	2d 6 Mos.	Total for the Year.
<i>Brooke County.</i>											
A. Gilchrist & Sons' C. Co.	Gilchrist	19,963	35,440	35,401		10,402		24,999			
La Belle Coal Co.	Lewis No. 1	24,320	30,355	54,675		310		54,365			
Beech Bottom C. Co.	Beech Bottom No. 1	36,447	36,017	72,464		401		72,063			
Lewis-Findley C. Co.	Locust Grove	56,008	43,361	126,062	2,587	41		123,434			
La Belle Iron Works	La Belle Shaft	54,161	58,576	112,740	1,006	* 110,464	+ 670				
Rex Carbon Coal Co.	Rex No. 1	41,152	13,790	56,942	452	81		56,379			
Totals.		252,112	203,142	458,281	4,675	121,699	670	331,240			
<i>Hancock County.</i>											
M. M. Cullen	Porter No. 1	4,285	1,428	5,713	18	5,695		45,897			
The Marquet C. Co.	No. 4	25,002	24,441	48,043	1,135	1,041		12,755			
	No. 5	7,807	4,888	12,755							
Totals.		35,154	30,757	66,511	1,153	6,736		58,622			
<i>Marion County.</i>											
Fairmont Coal Co.	Murray	55,558	28,752	84,290	2,705	212	382	80,961	96	161	257
	Montana	100,500	78,809	182,339	4,559	1,082	46,806	135,752	21,040	10,415	31,455
	Shaft	128,551	80,423	208,954	7,256	1,223		200,435			
	New England	150,308	81,898	232,206	6,540	2,298		223,368			
	Gaston	104,965	59,246	164,149	3,258	426		160,465			
	Monongah No. 2	110,477	44,362	155,039	2,125	802		152,112			
	No. 6	127,847	84,792	212,639	1,530		10,777	200,032	7,093	149	7,242
	No. 8	135,255	84,101	219,356	2,100	901	31,577	184,778	17,589	3,630	21,219
	Shaver	37,552	57,819	68,471	255	27		68,189			
	Pennols	67,068	46,082	113,990	605	592		112,793			
	Nichols Farm	565	557	1,162		1,162					
	Anderson	89,176	52,106	141,882	2,075	139		139,668			
	Highland	97,528	72,908	170,436	610	199		169,627			
	Middleton	89,428	61,621	151,049	370	148		150,531			
	Chickton	101,107	63,737	167,844	1,673	255		165,916			
	Hutchinson	47,906	26,496	84,402	1,322	293		82,787			
George's Creek Coal & Iron Co.	Obanash Shaft No. 1	145,000	181,000	326,000	2,500	300	8,700	314,500	2,464	1,680	4,144
New Central Coal Co.	Stafford	75,767	98,639	174,746	5,451	1,639		168,256			

*Used in iron furnace.

†Ovens in the State of Ohio

Federal O. & O. Co.	81,410	99,178	180,588	5,258	538	26,786	147,908	10,000	50,000
The Va. & Pitts. C. & C. Co.	122,959	150,708	292,667	1,200	3,000	29,872	248,395	10,754	21,426
Parker Run O. & C. Co.	17,438	21,115	38,553	732	290		37,531		
Harry B. Coal Co.	7,378	23,660	31,038				31,038		
Kilarn Nos. 1 & 2	12,118	3,502	15,620	609	410		14,601		
Kilarn O. & C. Co.	1,226	16,765	17,991				17,381		
Pittsburg Steam O. Co.		8,403	8,403				8,403		
Elizabeth		792	792				792		
Catawba									
Totals.	1,914,465	1,526,201	3,440,666	53,373	15,364	154,900	3,217,029	69,036	105,743
<i>Marshall County.</i>									
Hitchman O. & C. Co.	157,977	68,832	226,809	2,142	3,677		220,990		
Boggs Run Min. & Mfg Co.	20,768	11,911	32,679	445			27,225		
Wheeling Steel & Iron Co.	26,641	10,699	37,345		53,125				
Glendale	11,393	7,304	18,698	1,784	1,173		30,988		
Mound Coal Co.	267	6,696	6,963	60	2,571		15,458		
Panama C. M. Co.	565	2,232	2,499	712	518		1,269		
Bituminous No. 1		1,448	2,043	669	738		638		
Totals.	230,067	109,122	339,189	5,812	66,711		290,666		
<i>Ohio County.</i>									
Richland Coal Co.	35,637	35,937	71,574				71,574		
Elm Grove Coal Co.	20,761	4,132	24,893	801			24,109		
Wheeling Steam Coal Co.	6,696	2,678	9,374				9,374		
Whitaker-Glessner Co.	6,482	9,055	15,537		15,337				
Reymann Brewing Co.	3,516	3,473	6,989		6,989				
Jochum & Co.	625		625		625				
Central	2,327	1,785	4,112	161	3,951				
J. S. Creighton	2,005	2,327	4,332						
Peter Storch & Sons	3,943	2,321	6,264	948	5,316				
La Belle Iron Works.									
Totals.	82,292	61,406	143,698	1,913	56,428		105,357		
<i>Harrison County.</i>									
Clarksburg Fuel Co.	45,767	25,986	71,753		283		71,470		
Fall Run.	118,950	79,713	198,663	2,124	1,321		195,018		
Pinnicknick	86,783	47,361	134,144		78		134,266		
O'Neil	3,881	6,491	10,372		72		10,360		
Dixie	46,294	28,510	74,804	1,560	331		72,983		
Two Jack	49,604	21,189	70,793	1,360	345		69,088		
Interstate		1,230	1,230		1				
Despard	132,550	73,172	205,722	4,538	1,706	113	199,765	76	76
Enterprise	56,309	84,629	140,938		173		84,476		
Viropa	37,241	22,505	59,746	1,112	177		58,457		
Riverdale	65,721	33,377	99,098	1,815	587		97,696		
Ehlen				760	74		69,623		
Solon	41,694	28,763	70,457						

*Used in mill.

*Used in brewery.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Distribution of Coal (Tons of 2,240 lbs.)			Production of Coke (Tons of 2,000 lbs.)						
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year.	Used in Operation of Mine.	Furnish- ed Local Trade and Tenants.	Used in Coke Ovens.	Quan- tity Shipped from Mine.	1st 6 Mos.	2nd 6 Mos.	Total for the Year.		
Harrison County. —Cont'd.													
	Gypsy	99,082	50,491	149,573	3,185	893		145,495					
	Meadowbrook	47,481	21,053	71,557	892	615		70,080					
	Globe	31,004	15,488	46,492		269		46,223					
	Dunham	49,222	27,511	76,733	70	527		76,146					
	Ocean	57,709	31,054	88,763	1,274	257		87,237					
	Columbia	82,393	39,579	122,472	1,897	313		120,682					
	Robinson Run	2,150	18,908	21,078	17	52		20,989					
	Reynoldsville	12,254	10,020	22,274	385	105		21,784					
	Lynch	8,415	7,305	15,720		39		15,681					
	West Fork	5,355	7,404	12,757				12,757					
Pitts. & Fairmont Fuel Co.	Perry	86,783	47,561	134,344		78		134,266					
	Coaling Station	10,683	20,829	31,512	1,405			31,512					
	Pooz	57,242	29,672	86,914		77		85,492					
	Lucas	44,608	19,570	64,178				64,178					
Virginia-Maryland C. Corp.	Willard, Nos. 1 and 2	44,987	10,365	11,592		35		11,535					
Cook C. & C. Co.	Girard No. 1	45,000	50,000	95,000	200	250		94,650					
	No. 2 at Girard No. 1	12,000	12,000	24,000				24,000					
Corona C. & C. Co.	Harold	26,800	34,401	61,401	100			61,062					
Central Fairmont C. Co.	Moore	21,335	18,599	39,935		239		39,935					
Central Coal Co.	Vincent		14,120	14,120		113		14,007					
Meadow Brook C. & C. Co.	Eric	49,558	43,942	93,500	1,758	1,039		90,673					
Hero C. & C. Co.	Hero		3,500	3,500				3,500					
Blue Ridge C. Co.	Thompson		2,500	2,500				2,500					
Rosebud C. Co.	Rosebud	10,914	11,259	22,173		134		22,173					
Monroe Colliery Co.	Sylvester		4,910	4,910				4,776					
National Coal Co.	Dola	10,349	12,706	23,052		350		22,705					
Fayette Coal Co.	Fayette	1,046	4,146	5,192		10		4,657					
Short Line C. Co.	Girard No. 2	35,000	35,000	70,000		400		69,500					
Fairmont & Balt. C. & C. Co.	Fairmore	41,694	22,980	64,564				64,519					
Madeira-Hill-Clark C. Co.	Goff	12,131	11,455	23,586				23,586					
	Waldo	55,553	40,165	95,699		322		95,377					
	New Chieftain and Randolph												
	Miller No. 1	2,848	1,336	4,184		200		69,990					
	Miller No. 2	1,624	2,392	4,016	600			3,584					
O'Gara C. M. Co.	O'Gara	38,654	23,609	62,263	600			1,792					
Douglas-Rauch C. & C. Co.	Phoenix	21,394	17,016	38,410				62,263					
								38,410					

Pitcairn Coal Co.	48,922	33,989	82,912	1,318	347	.....	81,237	.....	.....
Marshall Coal Co.	22,008	16,873	38,881	1,403	353	.....	37,115	.....	.....
Cook & Hart Coal Co.	10,700	10,450	20,150	.....	280	.....	20,600	.....	.....
Hutchinson Fuel & Supply Co.	34,238	46,516	100,151	.....	.....	.....	100,151	.....	.....
Jane Lew O. & O. Co.	1,491	5,490	6,981	75	78	1,222	5,576	1,016	1,016
Totals.	1,871,426	1,236,616	3,168,042	28,184	12,034	1,405	3,125,869	1,016	1,062
<i>Lewis County.</i>									
Jacksonville C. & C. Co.	10,267	12,373	22,640	893	357	.....	21,390	.....	.....
Totals.	10,267	12,373	22,640	893	357	.....	21,390	.....	.....
<i>Upshur County.</i>									
Red Rock Fuel Co.	24,143	25,454	49,597	1,543	346	.....	47,708	.....	.....
Newcomer Coal Co.	2,000	5,400	7,400	.....	.....	.....	7,400	.....	.....
Buckhamton River C. Co.	16,061	3,725	19,776	295	400	6,015	12,926	4,010	4,010
Totals.	42,194	34,579	76,773	1,778	946	6,015	68,034	4,010	4,010
<i>Barbour County.</i>									
Phillippi Collieries Co.	42,469	32,935	75,404	66	196	6,086	62,056	3,163	733
Tygart's River C. Co.	27,702	20,011	47,713	1,520	668	.....	45,525	.....	.....
Fairmont Coal Co.	136,876	92,526	229,332	3,700	820	.....	224,812	.....	.....
Laurel Creek C. Co.	15,000	9,000	24,000	.....	.....	.....	24,000	.....	.....
The Century C. Co., of W. Va.	111,980	121,513	233,523	4,200	761	.....	228,562	.....	.....
No. 1	7,311	21,254	28,565	171	20	.....	28,374	.....	.....
No. 2	10,000	10,000	20,000	500	.....	.....	19,500	.....	.....
Lillian No. 1	.....	5,000	10,000	.....	.....	.....	10,000	.....	.....
No. 2	5,000	.....	.....	.....	.....	.....	.....	.....	.....
Adna	3,148	.....	3,148	.....	.....	.....	3,148	.....	.....
Pennsylvania C. M. Co.	17,538	15,719	33,257	137	26	.....	33,071	.....	.....
Pavie C. & C. Co.	11,349	11,581	22,920	328	179	5,190	15,223	706	5,923
Miller C. & C. Co.	35,076	13,961	49,037	366	479	13,015	35,147	1,636	10,125
Davis Colliery Co.	33,659	18,478	52,137	3,036	366	42,381	6,351	16,965	8,450
Midland C. & O. Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.	457,038	372,008	829,046	14,054	3,515	68,705	742,772	32,744	44,359
<i>Monongalia County.</i>									
Opekiska C. & C. Co.	10,000	2,000	*12,000	.....	.....	5,000	7,000	3,410	3,410
Fairmont Coal Co.	31,503	23,153	54,656	585	114	144	54,113	97	97
Elkins C. & O. Co.	47,115	2,490	49,605	4,936	165	40,675	3,829	27,831	27,831
Richard	43,119	34,123	77,242	.....	69	.....	77,173	.....	.....
Sabraton	35,285	32,547	67,832	4,420	.....	63,402	23,512	21,506	45,048
Connellsville Basin Coke Co.	Nos. 2, 3 & 4	.....	.....	.....	.....	.....	.....	.....	.....
The Great Scott C. & O. Co.	9,043	1,465	10,506	40	791	.....	9,677	.....	.....
Totals.	176,065	95,778	271,843	9,691	1,139	109,221	151,792	54,783	21,603

*Estimated

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Total Coal Produced for Year.	Distribution of Coal (Tons of 2,240 lbs.)		Production of Coke (Tons of 2,000 lbs.)				
		1st 6 Mos.	2nd 6 Mos.		Used in operation of Mine.	Furnished Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped from Mine.	1st 6 Mos.	2nd 6 Mos.	Total for the Year.
<i>Preston County.</i>											
The Austen C. & O. Co.	Austen No. 1	35,857	19,173	55,030		561	53,469	1,000	29,142	13,002	42,144
Hamilton C. & O. Co.	No. 2	31,411	6,712	38,123	1,812		15,269	21,008			
Gorman C. & O. Co.	Newburg Shaft	24,061	1,807	25,958	1,456	194		24,308			
Gorman C. & O. Co.	Gorman No. 2	16,621	10,294	26,885	375	85	2,673	23,752	1,782		1,782
West End No. 1		7,071	10,729					10,729			
Irona Coal Co.	Irona Nos 1 & 2	51,464	40,782	99,246	1,650	4,408		86,128			
Merchants Coal Co.	Tunnelton No. 1	15,470	6,028	21,498		732		20,766			
Merchants No. 2		98,239	41,713	139,982	3,734	92	780	136,221	650		650
Oakland C. & O. Co.	Corinth	16,100	2,400	20,200	850	27		18,478			
Kingwood C. Co.	Dixie	32,621	1,675	61,547	1,000	370		60,177			
Hite C. & O. Co.	Vulcan	12,397	22,048	14,072	122	78		13,872			
Orr C. & O. Co.	Victoria No. 2	32,613	8,779	51,661	588	305	7,502	46,266	5,251		5,251
Manufacturers C. & O. Co.	Atlantic	21,231	5,102	30,010	2,355			27,655			
Atlantic C. & O. Co.	Bretz	33,592	55,806	38,694	1,726	179		36,789			
Elkins C. & O. Co.	Kingwood	81,606	30,506	137,502	713		123,505	5,756	47,367	32,602	79,969
"	Masontown	37,461	7,865	67,967	1,348	188		66,431			
"	Cascade	13,275	18,542	21,140		76	18,281	21,140			
Preston County Coke Co.				18,542	185						
Totals		561,210	313,576	874,786	24,729	8,008	221,479	620,510	84,192	54,452	138,644
<i>Taylor County.</i>											
Grafton C. & O. Co.	Sandlick	30,435	38,437	68,872				68,697			
Pittsvelt Coal Co.	Flemington	38,747	17,552	56,299		175		56,070			
L. B. Brydon	Brydon	5,000	4,000	9,000		229		9,000			
T. B. Davis	T. B. Davis	18,000	21,000	39,000	100			38,800			
McGraw Coal Co.	New York No. 1	32,458	897	33,355	50			33,041			
Rosemont Coal Co.	Rosemont	48,953	64,035	112,988		264		112,787			
Maryland Coal Co.	Wendel	40,424	19,927	60,351	1,442			58,666			
Winona C. & O. Co.	Winona No. 1	5,183	7,651	12,833	392	54		12,388			
The Cecil C. & C. Co.	Cecil	685	1,188	1,873				1,873			
Harrison Coal Co.	Harrison		1,786	1,786				1,786			
Totals		219,885	176,473	396,358	1,984	1,266		393,108			
<i>Grant County.</i>											
Davis C. & O. Co.	Henry No. 22	94,854	93,407	188,261	12,357	930		174,994			

Buffalo Creek	49,606	2,905	52,511	416	241	52,095	
Cottage Street		1,670	1,670	33		1,386	
Totals.....	144,460	97,982	242,442	12,786	1,171	228,485	
Mineral County.							
Davis C. & C. Co.....	29,559	35,769	65,328	208	1,319	63,801	
Wabash No. 9.....	85,245	83,802	169,047	15	707	168,325	
Tyson No. 10.....		13,689	13,689			13,689	
Kittanning No. 14.....	20,719	19,898	40,617		106	40,511	
Kittanning No. 15.....		1,766	1,766			1,766	
Ott No. 20.....	26,142	11,757	37,899			37,899	
Montgomery Run No. 19.....	3,408	9,183	12,591	204	244	12,143	
No. 50.....	13,852	8,263	22,115	286	103	21,726	
No. 51.....	16,867	12,654	28,521	224	105	28,692	
Abrams Creek C. & C. Co.....	18,298	16,372	34,670	540	300	33,850	
Piedmont Brick & Coal Co.....		*				4,571	
Potomac C. Co.....	10,000	10,000	20,000			20,000	
Masteller Coal Co.....	17,436	12,413	29,849		255	29,394	
Hampshire.....	24,127	4,372	28,499	125		28,374	
New Creek.....	27,766	17,055	44,851	189		44,662	
Smith Coal Co.....	17,904	12,063	29,907			29,907	
Gleason C. & C. Co.....	17,259	5,516	22,775	127	122	22,526	
The Big Vein C. Co. of W. Va.....	5,230	1,624	6,854			6,854	
Denman Coal Co.....	6,930	1,396	8,346	35	60	8,251	
Glade Run C. & C. Co.....							
Totals.....	341,017	281,278	622,295	1,953	3,321	617,021	
Randolph County.							
Davis C. & C. Co.....	65,761	33,816	99,577	1,640	622	55,844	30,811
Weaver No. 1.....	41,989	25,493	67,482	425		44,076	17,077
No. 2.....	5,025	214	5,239	191	70	4,978	
Leiter No. 5.....	117,792	78,672	196,464	1,394	531	124,400	35,393
Coalton No. 1.....	8,254	14,468	22,722	83	127	22,512	
Slaid No. 2.....	76,662	53,721	130,383	2,301	441	93,876	15,863
Harding No. 3.....	1,354	4,726	6,080	20		6,060	10,600
West Harding No. 5.....	8,928	8,928	17,856		358	17,498	
Klondyke.....							
W. H. Green, lessee.....							
Totals.....	325,765	220,038	545,803	6,054	2,149	369,304	99,344
Tucker County.							
Cumberland C. Co.....	2,912	2,446	5,358	25		5,333	
No. 1.....	68,951	44,787	113,738	1,022	855	77,623	17,984
Nos. 3, 4 & 5.....							4,508
Thomas No. 23 and Pendleton Run.....	142,714	88,210	230,924	13,402	3,261	186,940	15,200
Thomas No. 25.....	47,894	47,894	138,720	4,965		133,755	
Thomas No. 26.....	29,215	18,695	47,910		1,666	46,244	
Coketon No. 36.....	64,473	37,643	102,416			85,464	10,999
Thomas No. 31.....							546
Totals.....							11,54

* Estimated.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Total Coal Produced for Year.	Distribution of Coal (Tons of 2,240 lbs)			Production of Coke (Tons of 2,000 lbs.)	
		1st 6 Mos.	2d 6 Mos.		Used in Operation of Mine.	Furnish- ed Local Trade and Tenants.	Used in Coke Ovens.	Quan- tity Shipped from Mine.	1st 6 Mos.
<i>Tucker County.—Cont'd.</i>									
Davis C. & C. Co.	Cokeston No. 35.	22,119	15,555	37,694	6,130		31,564	12,550	8,494
"	" No. 35.	39,344	44,934	104,278			54,060	50,188	9,328
"	" No. 37.	51,964	33,152	85,116			59,311	25,775	29,330
Beacon C. & C. Co.	Beacon	32,126	21,173	53,299	277	857		52,195	10,187
Gatzmer C. & C. Co.	Gatzmer No. 1.	446	669	1,115				1,115	
Totals.		565,390	355,178	920,568	25,821	6,600	223,506	684,632	36,428
<i>Braxton County.</i>									
Davis Colliery Co.	Bower No. 10	29,079	33,631	62,710	691	637		61,382	
"	Copen No. 11	18,161	10,892	29,053	600	360		28,093	
Totals.		47,240	44,523	91,763	1,291	997		89,475	
<i>Gilmer County.</i>									
Cosmopolitan C. & C. Co.	Gilmer No. 1.	5,357	1,310	6,667		401		6,266	
Totals.		5,357	1,310	6,667		401		6,266	
<i>Mason County.</i>									
Mason City C. M. Co.	Klondyke & Linden.	19,574	6,227	25,801		902		24,899	
Consumer C. & M. Co.	Camden	22,884	17,277	40,161	1,375	7,225		31,561	
Beech Grove Coal Co.	Beech Grove	8,176	3,502	11,678				11,678	
The Liverpool Salt & Coal Co.	Jackson	7,154	8,065	15,189	286			714	
Hartford C. & M. Co.	Hartford	10,714	1,785	12,499	804			4,552	
Dixie Coal Works	Dixie	2,909	1,501	4,410	56	71		4,283	
Totals.		71,411	38,327	109,738	2,521	29,530		77,687	
<i>Putnam County.</i>									
Plymouth C. & M. Co.	Plymouth.	11,133	2,516	13,649				13,649	
"	Manilla.	33,174	26,542	59,716	671			59,145	
"	California.	13,573	29,453	43,026				36,954	
Alpha C. M. Co.	Alpha.	4,372	1,480	5,852	15	3,572		6,437	
The Otto Marmet C. & M. Co.	Big Otto, Nos. 1, 2 & 3.	63,298	74,552	137,850		1,052		136,798	

Black Betsey O. & M. Co.	Nos. 1 and 2	80,803	80,803	161,606	892	160,714
Oak Forest.	Oak Forest.	2,125	2,125	2,125	267	1,856
Totals.....		209,078	215,346	424,424	3,353	415,555
<i>Clay County.</i>						
Dorfee C. M. Co.....	Elk Manor.....	13,226	178	13,398	270	12,949
Elk River Coal & Lumber Co.	Dundon.....	5,570	9,208	14,778	139	9,205
Carter Coal Co.....	Carter.....	3,571	3,571	7,142	10	7,043
Kentucky Coal & Lumber Co.	Scott.....	7,143		7,143		7,143
Totals.....		29,504	12,957	42,461	419	36,340
<i>Fayette County.</i>						
Sunday Creek Co.....	No. 111.....	75,077	62,185	137,262	3,086	89,106
" " " " " "	No. 112.....	1,954	51,821	32,175	1,255	32,081
" " " " " "	No. 114.....	87,304	47,577	134,881	1,522	79,557
" " " " " "	No. 115.....	89,279	146,526	1,063	1,210	79,757
The Col'bus Iron & Steel Co.	No. 1.....	62,579	31,575	93,954	2,203	64,294
Kana'wa Gas C. Co.	Kana'wa Gas.....	39,286	22,321	61,607	714	55,456
" " " " " "	Eagle.....	1,785	5,178	6,963		60,893
W. R. Johnson & Co.	Oakland.....	46,428	34,821	81,249	1,339	6,963
Boomer C. & C. Co.	No. 1.....	74,785	16,539	91,324	5	78,750
" " " " " "	No. 2 North.....	89,481	110,087	200,578	31	91,065
" " " " " "	No. 3 South.....	94,623	110,183	204,806	4,220	199,891
" " " " " "	No. 3.....	79,556	35,988	115,544	48	190,732
Paint Creek Collieries Co.	Hickory Camp.....	33,081	15,779	48,860	945	47,727
Eureka Colliery Co.	Eureka No. 13.....	22,973	8,067	31,013	35	30,975
" " " " " "	Eureka No. 14.....	23,635	21,714	45,409	1,133	42,968
W. R. Johnson.....	Eagle No. 1.....	8,965	4,576	12,541	446	4,353
W. Splint.....	Splint, Nos. 5 and 6.....	17,973	10,829	28,802	62	27,843
The Carver Brothers Co.	Mecca No. 2.....	27,026	18,166	45,192	893	44,299
" " " " " "	No. 5.....	19,535	10,258	30,073		29,917
" " " " " "	No. 2.....	8,372	8,702	17,074		17,074
" " " " " "	No. 3.....	10,343	7,259	17,602	2,353	9,379
" " " " " "	No. 1.....	6,501	4,475	10,976		10,316
" " " " " "	Eagle and California.....	13,338	597	13,935	660	12,718
" " " " " "	No. 5 Splint.....	7,696	5,536	13,232		631
" " " " " "	Diamond.....	35,818	73,099	805		72,292
St. Clair Colliery Co.	Eagle.....	24,107	37,281	625		13,404
" " " " " "	Kimberly.....	21,100	7,113	31,250	894	14,008
" " " " " "	Columbia.....	15,068	2,661	23,767	357	23,063
" " " " " "	Elk Ridge No. 1.....	20,753	23,653	17,096	338	16,748
" " " " " "	No. 2.....	16,554	5,957	44,406	357	43,355
" " " " " "	Vulcan.....	38,994	34,749	22,511		21,976
Great Kana'wa Colliery Co.	Brewster and Digby.....	21,449	74,734	665	2,163	15,993
" " " " " "	Edwards.....	6,390	42,898	2,160	1,200	9,538
" " " " " "	Eagle and Ansted.....	125,807	11,897	11,897		5,948
" " " " " "	" " " " " "		142,455	1,319	1,502	67,609
" " " " " "	" " " " " "		15,648			45,753
" " " " " "	" " " " " "					1,554
" " " " " "	" " " " " "					47,397

* Used in ovens at Eagle mine.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE	Production of Coal (Tons of 2,240 lbs.)		Production of Coal (Tons of 2,240 lbs.)		Distribution of Coal (Tons of 2,240 lbs.)		Production of Coke (Tons of 2,000 lbs.)	
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year.	Used in Operation of Mine.	Furnished Local Trade and Tenants.	Quantity Shipped from Mine.	1st 6 Mos.	2nd 6 Mos.
<i>Fayette County.—Cont'd.</i>									
Herbert Collieries.....	Herberton.....	446	12,537	13,183	357	295	12,559	.....	.....
Fort Beliance C. & C. Co.....	Fort Beliance.....	23,668	8,036	32,004	.....	556	31,648	.....	.....
Lynchburg Colliery Co.....	Lynchburg.....	33,924	20,208	54,132	88	531	53,510	.....	.....
Ganeca Coal Co.....	No. 3 Splint and No 2 Gas.....	61,607	32,113	93,720	.....	.....	93,770	.....	.....
Deitz Colliery Co.....	Beltz No. 2 Gas.....	12,352	6,550	19,042	.....	.....	19,042	.....	.....
Mill Creek Colliery Co.....	Mill Creek.....	15,601	8,163	23,761	88	554	23,142	.....	.....
The Graeek Mountain C. Co.....	Nova Scotia & Turkey Creek.....	2,712	1,568	4,280	.....	.....	4,280	.....	.....
Croft & Evans.....	Plue Top.....	72,455	37,029	110,094	3,328	1,803	75,739	17,357	2,782
Signal Knob C. Co.....	Signal Knob.....	7,452	1,656	9,588	.....	.....	9,588	.....	.....
Gaymont Colliery Co.....	Gaymont.....	4,289	.....	4,289	.....	.....	4,289	.....	.....
Sunbury C. & C. Co.....	Sunnyside.....	3,373	1,557	4,930	60	200	4,670	.....	.....
Bear-New River C. Co.....	Elmo.....	5,797	8,626	14,423	.....	.....	14,123	.....	.....
Michigan Coal Co.....	Michigan.....	8,479	9,123	17,602	1,800	400	15,402	.....	.....
Mfgs & Consumers C. Co.....	Newlyn.....	16,523	14,629	31,582	180	296	31,005	.....	.....
The Fayette C. & C. Co.....	Fayette.....	18,823	13,147	31,980	.....	704	34,276	.....	.....
Brown C. Co.....	Brown.....	8,928	9,927	18,855	.....	1,805	13,800	2,100	2,100
Nuttallburg C. & C. Co.....	Nuttallburg.....	18,314	18,005	37,219	.....	2,600	34,619	.....	.....
Keeneys Creek Colliery Co.....	Keeneys Creek.....	17,732	34,416	52,208	950	407	46,787	1,344	1,005
Smokeless No. 2.....	Smokeless No. 2.....	11,374	34,416	52,208	.....	.....	18,246	.....	.....
Ballingier C. Co.....	Ballingier No. 1.....	39,216	34,243	73,509	720	800	71,389	.....	.....
.....	Ballingier No. 2.....	16,298	20,511	42,869	540	325	42,004	.....	.....
Rothwell Coal Co.....	Dubree.....	26,280	19,030	45,320	37	1,783	43,500	.....	.....
Blume C. & C. Co.....	Blume.....	1,077	1,844	2,921	.....	.....	2,921	.....	.....
Lookout C. & C. Co.....	Lookout.....	16,501	10,184	26,685	250	300	26,135	.....	.....
Moseley & Walker.....	Lookout.....	26,403	19,752	46,155	1,200	700	44,255	.....	.....
.....	No. 1.....	2,622	4,032	6,624	500	184	5,940	.....	.....
.....	No. 2.....	6,070	8,000	14,000	600	.....	13,400	.....	.....
.....	No. 3.....	500	1,000	1,500	250	.....	1,250	.....	.....
Penn. & New River C. Co.....	Kohnoor.....	22,500	20,000	42,500	800	.....	50,900	.....	.....
Fire Creek C. & C. Co.....	Fire Creek & Buffalo.....	11,382	9,102	20,484	1,000	500	18,984	.....	.....
Berry Brothers C. & C. Co.....	Echo.....	8,077	10,181	18,258	400	500	7,809	2,294	3,920
Big Bend Coal Co.....	Big Bend.....	26,600	21,000	47,600	400	.....	46,700	.....	.....
Stone Cliff C. & C. Co.....	Stone Cliff.....	4,780	5,388	10,118	200	180	9,738	.....	.....
Beechwood C. & C. Co.....	Stone Cliff.....	34,946	33,214	67,760	2,000	800	64,560	.....	.....
.....	No. 1.....	38,471	19,318	57,789	280	911	55,921	925	925

	No. 2	8,763	25,065	350	24,745	4,208	4,208	4,208
Beechwood C. & O. Co.	16,322	8,763	25,065	350	24,745	4,208	4,208	4,208
Alaska C. & O. Co.	14,625	23,815	275	440	23,800			
Epiratim C. & O. Co.	72,922	51,646	124,568	1,006	121,890			
Ridgeview Coal Co.	2,954	8,122	11,096	510	10,166			
Export Coal Co.	7,354	10,462	17,816	100	17,516			
Laurel Creek C. Co.	22,617	7,618	30,265		30,295			
Glendale	17,470	10,255	29,065	250	27,201			
Quinnmont C. Co.	8,152	9,982	18,101	730	10,453			
Greenwood C. Co.	28,805	22,884	61,689	383	6,518			
Hemlock	51,645	27,069	78,714	1,500	78,714			
New & Focault Cons. C. Co.	75,081	82,288	157,369	3,600	152,569			
No. 1	5,769	2,198	7,967	110	7,857			
No. 2	58,016	26,585	85,211	1,421	83,786			
No. 3	39,768	62,368	122,156	2,160	118,125			
No. 4	39,942	39,274	79,216	1,229	76,401			
No. 5	54,536	25,534	79,890	1,355	77,465			
Bachman	2,112	2,947	5,059	180	4,879			
Whitney	4,524	3,864	8,388	180	8,170			
New River Valley C. Co.	65,741	43,600	109,341	3,600	106,700			
Marris Branch C. Co.	13,620	17,855	31,485	120	29,865			
The Low Moor Iron Co. of Va.	29,043	4,421	33,464	1,438	32,025			
No. 1	21,310	21,365	53,375	570	52,805			
No. 2	17,096	11,066	28,262	831	27,131			
South Side	10,628	1,473	12,101	178	11,323			
The Thurmond C. Co.	13,682	18,553	32,155	1,562	30,493			
Brooklyn	31,324	22,535	54,457	1,080	53,377			
Red Ash	35,462	22,360	59,822	10,480	49,342			
Rush Run	55,882	88,585	184,468		172,908			
Sun Nos. 1, 2 & 3	13,357	10,029	23,386	471	23,515			
Dunglen Nos. 1 & 2	3,905	6,637	10,542		10,542			
Newlyn	10,567	13,107	23,674	200	23,474			
Meadow Fork	65,167	39,867	105,034	2,645	101,371			
Star	43,936	44,585	88,521	1,800	86,721			
Laura	53,778	41,424	95,202	3,280	91,913			
Nichol	151,580	141,217	294,797	6,115	288,682			
Derryhale	33,151	29,567	62,718	2,400	60,318			
Kilsyth	29,860	19,631	42,718	2,400	40,318			
No. 1	37,165	36,803	73,914	600	73,914			
No. 2	18,234	26,803	45,117	539	44,578			
Fru. Lyman & Jones	38,026	39,046	77,072	1,668	75,404			
Wingrove	52,174	56,951	109,125	875	108,250			
Scarbro	43,211	34,436	77,647	1,107	76,540			
Whipple	56,348	45,520	101,868	1,293	98,921			
Carlisle	34,150	21,347	55,497	1,293	54,204			
Oakwood	11,070	13,070	24,100	963	23,137			
Paral	7,119	7,685	14,804		14,804			
Beech Creek	13,144	12,140	25,284	1,064	24,220			
Stuart								
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PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.).		Total Coal Produced for Year.	Used in Operation of Mine.	Distribution of Coal (Tons of 2,240 lbs.).		Quantity Shipped from Mines.	Production of Coke (Tons of 2,000 lbs.).		
		1st 6 Mos.	2d 6 Mos.			Furnished Local Trade and Teams.	Used in Coke Ovens.		1st 6 Mos.	2d 6 Mos.	Total for the Year.
<i>Fayette County—Cont'd.</i>											
Dunn Loop C. & C. Co.	Dunn Loop No. 1	33,834	23,976	57,810	1,400	2,412		57,810			
	Dunn Loop No. 2	56,459	45,093	101,552	1,400	1,470	26,423	97,680			
Macdonald Colliery Co.	Macdonald	40,619	41,892	82,511	3,817	1,800		50,801	7,630	7,984	15,614
Sugar Creek C. & C. Co.	Sugar Creek	41,619	38,763	80,382	1,800	1,800		76,782			
Price Hill Fuel Co.	Sherwood	16,361	16,710	33,071	3,006	423		29,042			
Turkey Knob C. Co.	Turkey Knob	43,674	50,289	93,963	3,000	1,500	21,580	67,883	9,265	5,125	14,380
Mt. Hope C. & C. Co.	Baby	708	380	1,088		1,088					
Totals.....		3,896,107	2,855,164	6,851,271	154,761	89,073	632,388	5,975,019	291,306	124,119	415,425
<i>Kanawha County.</i>											
Falling Rock Cannel C. Co.	Jones	3,383	5,357	8,750	278	178					
The Graham C. Co.	Graham	1,358	446	1,804							
The Elk Coal Co.	Queen Shoals	9,914	6,874	16,788	70	224					
	Turner	11,271	8,075	19,346	766	168					
Pen Mar M. Co.	Pen Mar	4,082	4,305	8,477							
Glendenin M. Co.	Tugart		1,768	1,768							
The Clay C. Co.	Bradley White Ash	9,730	6,723	16,453	88	66					
Harts Branch C. Co.	Harts Branch		499	499	6						
Mill Creek Cannel C. Co.	Mill Creek	4,107	2,807	6,914	627						
Blue Creek Coal & Land Co.	Wills Hollow Nos. 1 & 2	28,562	2,136	30,718	357						
	Blakeley No. 3	21,572	11,177	32,749	357						
Roderick Coal Co.	Roderick	14,034	1,249	15,283	843						
Black Hawk C. Co.	Black Hawk	200	300	500							
The Campbells Creek C. Co.	No. 2	14,532	13,050	27,582	361						
	No. 1	102,257	95,002	197,259	3,791	2,535					
Quincy C. Co., Inc.	No. 1	17,288	5,291	22,579	577						
	No. 2	31,447	10,372	41,819	1,026	682					
Sunday Creek Co.	No. 101	96,948	28,341	125,289	1,277	678					
	No. 105	28,101	11,354	39,455	1,363						
	No. 109	6,383	73,829	80,212	4,808	2,575					
	Boyd	6,026	19,059	25,085	272	130					
New Cedar Grove C. & B. Co.	No. 1	47,026	31,147	78,173	2,559	222					
Kellys Creek Colliery Co.	Nos. 3 & 3 1/2	69,550	55,450	124,950	3,558	77,057					
Hughes Creek C. Co.	Hughston Nos. 2 & 3	66,851	18,190	85,041	1,538	2,406					
Cannelton Coal Co.	Cannelton No. 2	57,431	36,713	94,144	10,677	1,694					

The Marmet C. Co.	Monarch Nos. 1 & 2	37,016	34,296	71,312	2,892	812	67,608
Butler	No. 2	37,692	16,581	54,273	2,880	876	52,477
"	"	11,098	8,906	20,004	298	304	19,402
"	No. 5	14,677	11,714	26,391	428	436	25,827
Olcott Coal & Iron Co.	No. 1	14,752	8,082	22,834	1,944	267	21,023
"	No. 2	24,558	9,988	34,546	237	580	33,729
Frank Ellison,	Peerless	6,311	4,966	11,277	57	1,8	11,082
Winifrede C. Co.	Gas	3,677	543	4,220			4,220
"	South	36,377	27,016	63,393	567	3,284	59,542
"	North Pick & Machine	35,995	25,422	61,417	2,223		59,194
"	West	22,595	22,235	50,830	578		50,252
"	Gas	13,937	7,235	21,172	178		20,994
Dry Branch C. Co.	Belmont & Coalburg.	36,214	20,879	57,093	893	1,964	54,236
"	Rondo	33,378	16,300	49,678	290	858	48,500
Coalburg Colliery Co.	Oakley	25,317	16,085	41,402	910	443	40,049
Wynt Coal Co.	Berlin	22,472	22,760	45,232	1,070	352	43,810
"	North	10,576	2,552	13,128			13,128
"	South	33,707	16,015	49,722		368	49,554
Persinger Coal Co.	Wilton	3,898	3,858	7,676	152	134	7,890
La Mont M. Co.	La Mont No. 1	3,361	3,926	7,287	600	200	6,087
"	Nos. 2 & 3	27,351	16,166	43,517			43,317
The Holley & Ste'p'n C. & O. Co.	No. 5	29,018	29,018	58,036			58,036
"	No. 2	15,179	15,179	30,358			30,358
Wake Forest	North	31,862	23,639	55,501	893	580	54,028
Carbon Coal Co.	South	34,089	19,642	53,731		714	53,017
"	No. 5 or Splint	43,705	23,482	67,187	1,250	1,072	64,865
"	No. 1	20,544	17,053	37,597		1,160	36,437
Republic Coal Co.	No. 2	22,850	24,732	47,582	1,072		43,490
"	No. 3	36,610	34,107	70,723			70,723
"	No. 4	19,196	18,482	37,678		1,160	36,518
West Virginia Colliery Co.	No. 1	66,500	39,910	106,410		580	101,758
"	No. 2	15,714	11,250	26,964	1,072		26,964
"	No. 3	18,000	17,301	35,301		534	35,875
"	No. 4	13,535	18,734	32,329			32,329
Cabin Creek Consolid'd C. Co.	Davis	33,888	19,760	53,648	589	307	52,752
"	Cherokee	23,490	13,645	37,135		98	37,037
"	Caledonia	11,151	8,156	19,307			19,307
"	Red Warrior	29,578	16,873	46,451	1,794	164	44,493
"	Buckeye	7,288	7,598	14,886			14,886
"	Empire	27,280	13,879	41,159			41,159
"	Keystone	34,228	20,474	54,702	1,773	400	52,469
"	Shamrock	49,503	26,545	76,048			76,048
"	Tristle	36,491	19,585	56,076			56,076
"	Raccoon	31,416	18,788	50,204			50,204
"	Rose	15,257	14,470	29,727			29,727
"	Keyford	45,292	35,069	80,361	3,186	726	76,490
"	Holly	29,294	15,290	44,584		217	44,357
"	Quarrier	35,951	19,453	55,404	1,336	266	53,802
"	United Gas	56,580	38,248	94,828	1,080	356	93,392
"	Splint	16,743	12,910	29,653			29,653

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Distribution of Coal (Tons of 2,240 lbs.)			Production of Coke (Tons of 2,000 lbs.)		
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year.	Used in operation of Mine.	Furnished Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped from Mine.	Total for the Year.
<i>Kanawha County.</i> —Cont'd.									
Onlin Creek Consolidated Co.	Belleclare	23,206	14,600	37,806	915	219		36,642	
	Ruby	16,444	16,390	32,834				32,834	
	Reynolds	21,376	21,228	42,604	964	204		44,436	
Palmt Creek Collieries Co.	Kniekerbocker	21,110	21,225	42,335		413		41,922	
	Scranton	52,552	47,243	99,795	1,216	1,263		74,824	
	Palmt Creek	56,448	35,954	92,402	1,216	1,196		80,991	
	Wagonah	10,881	58,966	69,847	962	438		68,447	
	Banner No. 1	15,452	11,885	27,337				27,337	
	" No. 2	16,362	12,719	29,081	978	201		27,962	
	Detroit	14,272	5,413	19,685	696	41		18,948	
	Morton No. 1	9,281	3,693	12,974	1,111	222		11,611	
	" No. 2	5,804	1,803	7,607				7,607	
	Nuckolls	21,623	11,327	32,950		354		35,006	
	Grose No. 1	8,769	8,255	17,024				17,024	
	" No. 2	13,970	12,381	26,351	1,018	504		24,829	
	Greenbrier No. 2	23,402	11,023	34,425				34,425	
	" No. 3	20,622	8,561	29,183		731		28,452	
The Coalburg-Kanawha Co.	Coalburg No. 4	16,782	15,327	32,109	136	729		31,244	
Southwestern Split Fuel Co.	Coalburg	6,762	756	7,518	220	61		7,234	
	Lewiston	2,379		2,379				2,379	
Belmont Coal Co.	Old and New Coalburg and Lewiston	49,806	41,112	90,918	500	179		90,239	
Equitable Coal Co.	Coalburg No. 8	38,785		38,786	1,653	1,671		37,662	
Standard Split & Gas Co.	Standard	67,669	33,567	101,236	847	743		49,616	
Imperial Colliery Co.	No. 1	31,904	19,192	51,096	3,211			47,882	
"	No. 2	22,989	8,108	31,097		1,072		30,025	
"	No. 3	31,670	20,343	52,013				52,013	
Chesapeake Mining Co.	Chesapeake No. 1	20,411	24,315	44,726	595	555		43,556	
	No. 2	33,694	32,756	66,450	185			66,265	
Montgomery Coal Co.	Montgomery	11,140	11,140	22,280	217	1,786		20,277	
Morris Creek Co.	Morris Creek	15,760	8,665	24,425				23,815	
Totals		2,682,524	1,841,215	4,523,739	75,865	54,313	17,803	4,375,778	12,124
<i>Nicholas County.</i>									
The Columbus Co.	Vaughan No. 1	1,071	714	1,785	44	134		1,607	
	No. 2	7,545	1,384	8,929	35	160		8,734	

Bell Creek Co.	11,368	7,728	19,096	205	323	18,568
Kentucky Coal & Lumber Co.	4,404	.....	4,404	268	223	3,973
Mt. Carmel	3,928	3,928	7,856	714	446	6,696
Cambria	2,478	1,160	3,838	.....	.....	3,838
National.....	2,143	357	2,500	25	17	2,458
Arminius.....	6,401	6,937	13,338	1,304	268	11,766
Paint Creek Collieries Co. ....	.....	.....	.....	.....	.....	.....
Totals.....	39,598	22,208	61,806	2,595	1,571	57,640
<i>Greenbrier County.</i>						
Elk Lick Co. Co.	16,220	19,846	36,066	711	.....	35,355
Totals.....	16,220	19,846	36,066	711	.....	35,355
<i>Raleigh County.</i>						
Big Coal Co.	4,905	38,237	43,142	316	98	42,728
The New River Collieries Co.	11,562	5,190	16,752	1,260	360	15,132
Lanark Nos. 3 & 4	23,335	22,543	45,878	1,500	360	44,018
Beckles No. 11	1,315	6,380	7,695	5,906	619	1,170
McKell Co. & O. Co.	16,265	27,327	38,590	.....	315	38,275
Oswald	10,724	8,785	19,509	.....	130	19,379
Sidney	20,208	23,127	43,335	.....	302	43,033
Graham	5,751	8,879	14,630	90	80	14,434
Pamroy	31,938	23,863	58,801	650	617	57,534
Wright No. 1	10,691	13,917	26,608	106	157	26,345
Wright No. 2	30,142	27,399	57,541	600	150	56,751
Terry	15,500	16,151	31,651	65	.....	31,586
Stonewall Co. & O. Co.	3,500	4,500	8,000	.....	.....	8,000
No. 2	19,507	11,921	31,428	.....	356	31,072
No. 3	24,287	11,327	35,614	88	298	35,258
No. 4	32,111	16,913	49,024	.....	356	48,668
No. 6	25,638	16,395	42,033	534	534	40,955
Raleigh Co. & O. Co.	70,367	57,812	128,379	.....	.....	128,379
Raleigh No. 3	43,412	31,030	70,442	3,500	1,438	666
No. 1, 2 & 4	6,365	16,085	22,450	350	.....	22,100
No. 5	.....	11,276	11,276	.....	.....	11,276
No. 6	.....	3,925	3,925	50	1,000	2,875
Blue Jay Lumber Co.	33,085	29,100	62,185	1,762	.....	50,328
Granberry Fuel Co.	15,041	15,584	30,625	3,278	602	26,745
Skelton	20,564	27,681	48,245	5,706	830	41,709
Granberry	17,200	23,757	40,957	3,157	.....	37,800
Prosperity	31,711	24,138	55,849	74	293	55,482
Mabscott Co. & O. Co.	74,380	53,404	127,784	1,965	.....	124,805
Beckley Co. & O. Co.	27,985	25,244	52,929	3,964	986	48,063
Price Hill	7,980	6,120	13,200	.....	200	13,000
Home Coal Co.	1,86	19,939	21,725	.....	.....	21,725
Slab-Fork Co. Co. ....	.....	.....	.....	.....	.....	.....
Totals.....	641,473	617,947	1,259,430	34,951	11,894	1,211,909
497	.....	.....	.....	.....	.....	497

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.).		Distribution of Coal (Tons of 2,240 lbs.).			Production of Coke (Tons of 2,000 lbs.)						
		1st 6 Mos.	2d 6 Mos.	Total Coal Produced for Year.	Used in Operation of Mine.	Furnish- ed Local Trade and Tenants.	Used in Coke Ovens.	Quan- tity Shipped from Mine.	1st 6 Mos	2d 6 Mos	Total for the Year.		
McDowell County—(Cont'd.)													
Cirrus C. & C. Co.	Cirrus No. 1	17,985	17,459	55,444	1,800			33,644					
Virginia Fuel Co.	Virginia	384	875	1,259				1,259					
King Coal Co.	King	31,027	47,790	78,817	813	357		77,627					
The Tidewater C. & C. Co.	Tidewater	72,568	58,154	130,722	780	1,012	18,929	100,995	6,426	7,707	14,133		
Bottom Creek C. & C. Co.	Bottom Creek	92,455	57,700	150,245	2,640	600	32,319	114,726	13,250	10,461	23,911		
Peerless C. & C. Co.	Peerless	79,962	50,567	130,529			26,353	104,176	15,358	7,127	22,485		
The Empire C. & C. Co.	Empire	125,913	107,907	233,820	1,972	475	37,179	194,194	22,149	10,968	33,117		
Shawnee C. & C. Co.	Shawnee	82,000	41,488	123,488	1,200	2,000	32,282	75,863	10,964	9,149	20,113		
Eureka C. & C. Co.	Eureka	139,068	119,400	258,468	2,400	2,000	137,383	127,280	44,235	47,886	92,121		
Pulaski Iron Co.	Pulaski Nos. 1 & 2	92,365	56,655	149,020	4,800	2,436	33,900	108,104	9,848	10,248	20,096		
Keystone C. & C. Co.	Keystone Nos. 1 & 2	90,000	57,500	147,500	2,600	2,000	48,000	94,900	20,130	10,300	30,430		
Lynchburg C. & C. Co.	Lynchburg	17,234	53,239	170,473	4,000	1,500	49,007	115,966	24,785	9,319	34,304		
Powhatan C. & C. Co.	Powhatan	134,107	55,200	189,307	3,540	1,432	50,175	134,160	24,098	9,228	33,326		
Upland C. & C. Co.	No. 1	165,912	116,563	282,475	4,400	1,432	78,030	193,785	24,520	30,413	54,933		
Houston C. & C. Co.	Nos. 1 & 2	166,119	65,647	231,766	1,623	524	70,025	159,594	35,357	12,501	47,858		
Crozer C. & C. Co.	Nos. 1 and 2	183,218	173,050	356,248			73,331	282,917	34,795	11,057	45,852		
Turkey Gap C. & C. Co.	Turkey Gap												
Totals.		4,904,674	3,611,015	8,515,689	168,818	70,354	2,581,912	5,464,006	932,067	749,817	1,681,884		
Wyoming County.													
William Tolliver	Rich Knob.	179	473	652		652							
Totals.		179	473	652		652							
Lincoln County.													
Branchland C. Co.	Branchland	9,114	11,978	21,092	803	128		20,161					
Southern Fuel Co.	Southern	446	2,767	3,213	189	179		2,845					
Mitchell & Bates	Eden Park.	134	625	759	66	22		671					
Totals.		9,694	15,370	25,064	1,058	329		23,677					
Logan County.													
Prudential C. & M. Co.	Prudential	670	446	1,116		44		1,072					
Stone Branch C. Co.	Nos. 1 and 2	12,482	16,060	28,482	3,525	269		24,688					
Big Creek C. Co.	Big Creek	13,616	13,616	27,232	106	224		26,902					
Draper C. & C. Co.	Draper	37,856	29,166	67,022	634	298		66,120					

		16,368	22,724	38,092	464	156	38,432
H. T. Wilson O. Co.	Wilson	12,946	4,910	17,856	268	357	17,231
Fort Branch O. Co.	Fort Branch	13,125	10,867	23,992	1,250	179	22,563
Price Coal Co.	Price	12,570	2,401	14,971	239	95	14,637
Rex O. & C. Co.	Rex	28,559	2,401	28,559	402	193	27,964
The Logan Coal Co.	Logan No. 1	18,308	7,335	25,643	857	1,125	23,661
Ethel Coal Co.	Ethel	29,732	62,498	92,630	642	709	91,279
The Monitor O. & C. Co.	Monitor & Beechwood	27,894	18,682	46,576		449	46,127
The Yuma O. & C. Co.	Yuma	28,559	18,682	46,576		449	46,127
The Gay O. & C. Co.	Gay	30,000	18,000	48,000		525	57,809
Cora O. & C. Co.	Cora	173,357	137,958	313,285	7,167	5,261	300,857
United States O. & Oil Co.	United States No. 1	159,258	118,732	277,990	155	13	277,822
" " " " " "	" " " " " "	13,051	20,460	33,511		23	33,488
" " " " " "	" " " " " "	8,755	19,643	28,398		218	28,180
" " " " " "	" " " " " "	13,858	29,017	42,875		44	42,831
Totals.		652,874	562,165	1,215,039	15,709	10,192	1,189,178
<i>Mingo County.</i>							
Pearl O. M. Co.	Haggerty	9,010	3,736	12,746	562	804	11,380
Ajax Coal Co.	Ajax	8,340	1,558	9,898	90	200	9,698
The Walnut Hills C. & M. Co.	Walnut Hills	12,343	8,297	20,640		95	20,545
Warfield Coal Co.	Warfield	18,201	6,384	24,585	250	66	23,438
Hatfield Colliery Co.	Hatfield	35,345	27,045	62,390	1,200	720	60,470
Chattaroy Colliery Co.	Chattaroy	28,546	27,003	55,549	804	536	54,269
The Buffalo Collieries Co.	Buffalo	24,043	22,172	46,215	1,357	356	44,502
Linghocken Coal Co.	Linghocken No. 1	26,736	32,803	59,539	1,070	214	58,255
Howard Colliery Co.	Howard	11,533	17,742	29,275	924	350	28,001
Winifrede Consolidated C. Co.	Sugar Tree	9,302	4,247	13,549			10,489
Williamson C. & O. Co.	Williamson No. 1	15,059	241	15,300	173		15,127
Rawl O. & O. Co.	No. 1	14,286	8,928	23,214	580	214	22,430
Merrimac C. & O. Co.	No. 2	8,988	3,571	12,559			12,509
Marvin Coal Co.	Coaling Station	8,279	3,224	11,503			11,503
Red Jacket Cons. C. & O. Co.	Commercial	7,025	9,306	16,331	600	400	15,331
" " " " " "	Marvin	17,476	24,220	41,696	250	490	40,956
" " " " " "	Rutherford	57,680	57,555	115,405	6,308	4,100	104,397
" " " " " "	Logan	3,638	77,989	81,627			12,817
" " " " " "	Red Jacket	77,686	12,817	90,503			152,675
" " " " " "	Maritime	20,235	20,235	40,470	550		39,325
" " " " " "	Lack Fork	62,372	114,280	176,652	1,550		171,280
" " " " " "	Grapevine	47,472	97,885	145,357	380		144,977
" " " " " "	Nos. 1 and 2	17,857	17,857	35,714	357		35,357
Mate Creek O. Co.	No. 1	7,700	4,199	11,899			11,899
Lynn O. & O. Co.	Lynn	70,600	37,564	108,164	1,912	500	106,752
Thacker O. & O. Co.	No. 2	137,713	68,858	206,571	5,713	1,530	199,328
" " " " " "	No. 3	30,537	34,685	65,222			65,222
Thacker Fuel Co.	No. 10	9,640			85	236	9,319
Marjestic Collieries Co.	Cedar	49,935	38,348	88,283		1,200	81,683
Glen Alum O. Co.	No. 1	17,821	25,196	43,017			43,017
" " " " " "	No. 2						

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Distribution of Coal (Tons of 2,240 lbs.)				Production of Coke (Tons of 2,240 lbs.)	
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year	Used in Operation of Mine.	Furnished Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped from Mine.	Total for the Year.
<i>Mingo County—(Cont'd.)</i>									
War Eagle O. Co.	Pappoose	27,446	18,607	46,053		1,766		44,287	
"	Mephisto	33,807	26,455	60,262	4,910	1,784		53,658	
"	Star	17,322	2,363	20,065		1,780		18,299	
Margaret M. O.	Margaret Nos. 1 & 2	38,776	23,696	62,472	1,268	245		60,959	
Totals.....		987,291	727,516	1,714,807	37,322	27,087		1,650,388	
<i>Wayne County.</i>									
East Lynn O. Co.	No. 1	24,117	11,039	35,756		892		34,864	
Totals.....		24,117	11,039	35,756		892		34,864	

*PRODUCTION OF COAL IN WEST VIRGINIA, BY GEOGRAPHICAL DISTRICTS
FOR THE YEAR ENDING JUNE 30TH, 1908.*

(Tons of 2,240 lbs.)

Potomac District	1,785,305
Monongahela District	9,603,317
Wheeling District	1,037,682
Interior District	157,166
Kanawha-New River District	13,297,923
Norfolk & Western District	13,305,617
 Total Commercial Mines	 39,187,010
Small Mines	180,000
 Grand Total	 39,367,010

POTOMAC DISTRICT.

(Counties of Grant, Mineral and Tucker.)

Davis Coal & Coke Co., (1 mine in Grant; 9 in Mineral and 8 in Tucker)	1,327,292
Cumberland Coal Co.	119,096
Masteller Coal Co.	58,348
Beacon Coal & Coke Co.	53,299
Buffalo Creek Cumberland Coal Co.	52,511
Smith Coal Co.	44,851
Abrams Creek Coal & Coke Co.	34,679
Gleason Coal & Coke Co.	29,907
The Big Vein Coal Co. of West Virginia	22,775
Piedmont & Potomac Coal Co.	20,000
Glade Run Coal & Coke Co.	8,346
Denman Coal Co.	6,854
Piedmont Brick & Coal Co.	4,571
Cottage Street Coal Co.	1,670
Gatzmer Coal & Coke Co.	1,115
 Total	 1,785,305

MONONGAHELA DISTRICT.

(Counties of Barbour, Harrison, Marion, Monongalia, Preston, Randolph, Taylor and Upshur.)

Fairmont Coal Co., (16 mines in Marion; 15 in Harrison; 1 in Barbour; and 1 in Monongalia)	3,794,977
Clarksburg Fuel Co.	561,729
Davis Colliery Co., (1 mine in Barbour; 4 in Randolph).....	404,686
Elkins Coal & Coke Co., (2 mines in Monongalia and 3 in Preston).....	353,456
Pittsburg & Fairmont Fuel Co.	336,948
George's Creek Coal & Iron Co.	326,000
The Virginia & Pittsburg Coal & Coke Co.	282,637
The Century Coal Co. of West Virginia	262,088
Davis Coal & Coke Co. (1 mine in Barbour; and 3 in Randolph).....	205,555
Mederia-Hill-Clark Coal Co.	189,475
Federal Coal & Coke Co.	180,588
New Central Coal Co.	174,746
Merchants Coal Co.	161,480
Cook Coal & Coke Co.	119,000
Rosemont Coal Co.	112,988
Hutchinson Fuel & Supply Co.	100,754
Meadow Brook Coal & Coke Co.	93,500
The Austen Coal & Coke Co.	93,153
Irona Coal Co.	92,246
Pitcairn Coal Co.	82,912
Marshall Coal Co.	78,881

Philippi Collieries Co.	75,404
Short Line Coal Co.	70,000
Grafton Coal & Coke Co.	68,872
Connellsville Basin Coke Co.	67,832
Fairmont & Baltimore Coal & Coke Co.	64,564
O'Gara Coal Mining Co.	62,263
Kingwood Coal Co.	61,547
Corona Coal & Coke Co.	61,401
Maryland Coal Co.	60,351
Pittsvein Coal Co.	56,299
Orr Coal & Coke Co.	54,661
Midland Coal & Coke Co.	52,137
Red Rock Fuel Co.	49,597
Tygarts River Coal Co.	47,713
Central Fairmont Coal Co.	39,935
T. B. Davis	39,000
Atlantic Coal & Coke Co.	38,694
Parker Run Coal & Coke Co.	38,553
Douglass-Rauch Coal & Coke Co.	38,410
Gorman Coal & Coke Co.	37,614
Kilarm Coal & Coke Co.	33,611
McGraw Coal Co.	33,355
Harry B. Coal Co.	31,038
Manufacturers Coal & Coke Co.	30,010
Grafton Fuel Co.	30,000
Hamilton Coal & Coke Co.	25,958
Laurel Creek Coal Co.	24,000
National Coal Co.	23,055
Miller Coal & Coke Co.	22,930
Rose-Bud Coal Co.	22,173
Cook & Hart Coal Co.	20,950
Oakland Coal & Coke Co.	20,200
Buckhannon River Coal Co.	19,776
Preston County Coke Co.	18,542
W. H. Green, Lessee	17,856
Vincent Coal Co.	14,120
Hite Coal & Coke Co.	14,072
Winona Coal & Coke Co.	12,834
Opekiska Coal & Coke Co.	12,000
Virginia-Maryland Coal Corporation	11,592
The Great Scott Coal & Coke Co.	10,502
L. B. Brydon	9,000
Pittsburg Steam Coal Co.	8,403
Newcomer Coal Co.	7,400
Jane Lew Coal & Coke Co.	6,981
Washington Fuel Co.	6,576
Fayette Coal Co.	5,192
Monroe Colliery Co.	4,910
Hero Coal Co.	3,500
Pennsylvania Coal Mining Co.	3,148
Blue Ridge Coal Co.	2,500
The Cecil Coal & Coke Co.	1,873
Harrison Coal Co.	1,786
Catawaba Coal Co.	792
Total	9,603,317

WHEELING DISTRICT.

(Counties of Brooke, Hancock, Marshall and Ohio.)

Hitchman Coal & Coke Co.	226,809
Lewis-Findley Coal Co.	126,062

LeBelle Iron Works, (1 mine in Brooke and 1 in Ohio)	119,004
Beech Bottom Coal Co.	72,464
Richland Coal Co.	71,874
The Marquet Coal Co.	60,798
Rex Carbon Coal Co.	56,942
LaBelle Coal Co.	54,675
Wheeling Steel & Iron Co.	53,125
A. Gilchrist & Sons Coal Co.	35,401
Glendale Coal Co.	33,945
Boggs Run Mining & Manufacturing Co.	32,679
Elm Grove Coal Co.	24,913
Mound Coal Co.	18,089
Whitaker-Glessner Co.	15,537
Wheeling Steam Coal Co.	9,374
Reymann Brewing Co.	6,989
M. M. Cullen	5,713
J. S. Creighton	4,112
Peter Storch & Sons	4,010
Panama Coal Mining Co.	2,499
Bituminous Coal Co. of America	2,043
Jochum & Co.	625
Total	1,037,682

INTERIOR DISTRICT.

(Counties of Braxton, Gilmer, Greenbrier and Lewis.)

Davis Colliery Co.	91,763
Elk Lick Coal Co.	36,066
Jacksonville Coal & Coke Co.	22,640
Cosmopolitan Coal & Coke Co.	6,697
Total	157,166

KANAWHA-NEW RIVER DISTRICT.

(Counties of Clay, Fayette, Kanawha, Lincoln, Mason, Nicholas, Putnam and Raleigh.)

New River Company, (7 mines in Raleigh and 25 in Fayette)	1,771,751
Cabin Creek Consolidated Coal Co.	854,783
Sunday Creek Co. (4 mines in Fayette and 4 in Kanawha)	749,525
Paint Creek Collieries Co. (1 mine in Fayette; 1 in Nicholas; and 15 in Kanawha)	628,686
Boomer Coal & Coke Co.	612,252
New River & Pocahontas Consolidated Coal Co.	531,789
McKell Coal & Coke Co. (2 mines in Fayette; and 4 in Raleigh)	506,063
New River Collieries Co. (5 in Raleigh; and 7 in Fayette)	412,708
Raleigh Coal & Coke Co.	231,775
The Campbell's Creek Coal Co.	225,451
The Carver Brothers Co.	221,183
Kellys Creek Colliery Co.	203,123
West Virginia Colliery Co.	201,604
Winifrede Coal Co.	179,860
The Marmet Coal Co.	171,920
Black Betsey Coal & Mining Co.	161,606
Carbon Coal Co.	158,515
Piney Coal & Coke Co.	158,089
Republic Coal Co.	155,963
Wyatt Coal Co.	149,484
Loup Creek Colliery Co.	142,455
The Low Moor Iron Co. of Virginia	140,826
The Otto Marmet Coal & Mining Company	137,850
Imperial Colliery Co.	134,206

Ephraim Creek Coal & Coke Co.	124,568
Plymouth Coal & Mining Co.	116,391
Keeneys Creek Colliery Co.	116,378
Chesapeake Mining Co.	111,176
The Gauley Mountain Coal Co.	110,094
M. B. Coal & Coke Co.	107,780
The Star Coal & Coke Co.	105,034
Standard Splint & Gas Coal Co.	101,236
Stonewall Coal & Coke Co.	97,192
Cannelton Coal Co.	94,144
Turkey Knob Coal Co.	93,963
The Columbus Iron & Steel Co.	93,854
Gamoca Coal Co.	93,750
Belmont Coal Co.	90,918
Nichol Colliery Co.	88,521
The Holley & Stephenson Coal & Coke Co.	88,394
Wright Coal & Coke Co.	85,409
Hughes Creek Coal Co.	85,041
Beechwood Coal & Coke Co.	82,884
W. R. Johnson & Co.	81,249
Hemlock Hollow Coal & Coke Co.	78,714
Dry Branch Coal Co.	78,265
The Mt. Carbon Company, Ltd.	74,734
Nuttallburg Coal & Coke Co.	70,754
The Thurmond Coal Co.	69,176
Kanawha Gas Coal Co.	68,570
Moseley & Walker	68,000
Stone Cliff Coal & Coke Co.	67,760
Blue Creek Coal & Land Co.	63,467
Greenwood Coal Co.	61,689
Olcott Coal & Iron Co.	57,380
Wake Forrest Mining Co.	55,501
Lynchburg Colliery Co.	54,132
South Side Co.	53,375
Laura Mining Co.	52,293
LaMont Mining Co.	50,804
Coalburg Colliery Co.	49,678
Ballinger Coal Co.	48,241
Beury Brothers Coal & Coke Co.	47,600
Blume Coal & Coke Co.	46,155
Deitz Colliery Co.	43,406
Big Coal Co.	43,142
Quincy Coal Co.	42,903
W. R. Johnson	41,643
Consumers Coal & Mining Co.	40,161
Equitable Coal Co.	39,786
Brown Coal Co.	37,219
The Elk Coal Co.	36,134
Manufacturers & Consumers Coal Co.	34,980
The Goshen Iron Co.	33,464
The Coalburg-Kanawha Coal Co.	32,109
Fort Defiance Coal & Coke Co.	32,004
Michigan Coal Co.	31,582
St. Clair Colliery Co.	31,250
Laurel Creek Coal Co.	30,295
Glendale Colliery Co.	28,005
Rothwell Coal Co.	26,685
Mason City Coal Mining Co.	25,801
The Dungen Coal Co.	23,986
Alaska Coal & Coke Co.	23,815
Morris Creek Coal Co.	23,815

Meadow Fork Coal Co.	23,674
Kentucky Coal & Lumber Co. (1 mine in Clay; and 3 in Nicholas)	23,391
Montgomery Coal Co.	22,280
Slab Fork Coal Co.	21,725
Branchland Coal Co.	21,092
Pennsylvania & New River Coal Co.	20,484
Bell Creek Coal Co.	19,096
The Fayette Coal & Coke Co.	18,855
Fire Creek Coal & Coke Co.	18,258
Quinnimont Coal Co.	18,104
Expert Coal Co.	17,816
Henry-New River Coal Co.	17,602
The Clay Coal Co.	16,453
Roderick Coal Co.	15,283
The Liverpool Salt & Coal Co.	15,189
Elk River Coal & Lumber Co.	14,778
Sumbeury Coal & Coke Co.	14,423
Dorfee Coal Mining Co.	13,398
Herbert Collieries	13,183
Home Coal Co.	13,200
New Cedar Grove Coal & Brick Co.	12,732
Hartford Coal Mining Co.	12,499
Beech Grove Coal Co.	11,678
Frank Ellison	11,277
Ridgeview Coal Co.	11,096
The Columbus Coal Co.	10,714
Newlyn Coal Co.	10,542
Big Bend Coal Co.	10,118
Southwestern Splint Fuel Co.	9,897
Croft & Evans	9,588
Falling Rock Cannel Coal Co.	8,750
Pen Mar Mining Co.	8,477
Marrs Branch Coal Co.	8,388
Persinger Coal Co.	7,676
Carter Coal Co.	7,142
Mill Creek Cannel Coal Co.	6,914
Lookout Coal & Coke Co.	6,624
Alpha Coal Mining Co.	6,452
New River Valley Coal Co.	5,059
Gaymont Colliery Co.	4,930
Dixie Coal Works	4,410
Signal Knob Coal Co.	4,289
Mill Creek Colliery Co.	4,280
Blue Jay Lumber Co.	3,925
Southern Fuel Co.	3,213
Arminius Coal Co.	2,500
Oak Forest Coal & Mining Co.	2,125
The Graham Coal Co.	1,804
Clendenin Mining Co.	1,768
Mt. Hope Coal & Coke Co.	1,088
Mitchell & Bates	759
Black Hawk Coal Co.	500
Harts Branch Coal Co.	499
Total	13,297,923

NORFOLK & WESTERN DISTRICT.

(Counties of Logan, McDowell, Mercer, Mingo, Wayne and Wyoming.)

Poarchontas Consolidated Collieries Co., Inc., (2 in Mercer; 7 in McDowell)	1,400,313
United States Coal & Coke Co.	1,297,480
United States Coal & Oil Co.	696,059

Red Jacket Consolidated Coal & Coke Co.	516,297
Thacker Coal & Coke Co. (including Thacker No. 10 & Lynn).....	391,856
Turkey Gap Coal & Coke Co.	356,248
Mill Creek Coal & Coke Co. (including Coaldale).....	336,111
American Coal Co. (Crane Creek & Pinnacle)	293,326
Houston Coal & Coke Co.	282,415
Pulaski Iron Co.	278,273
The Empire Coal & Coke Co.	233,820
Crozer Coal & Coke Co.	231,766
McDowell Coal & Coke Co.	228,182
New River & Pocahontas Consolidated Coal Co.	220,760
Page Coal & Coke Co.	220,488
Ashlaud Coal & Coke Co.	213,703
Upland Coal & Coke Co.	189,307
Elkhorn Coal & Coke Co.	182,442
Powhatan Coal & Coke Co.	170,473
Algoma Coal & Coke Co.	169,221
Big Sandy Coal & Coke Co.	162,722
Greenbrier Coal & Coke Co.	150,490
Bottom Creek Coal & Coke Co.	150,245
Keystone Coal & Coke Co.	148,960
Virginia-Pocahontas Coal Co.	148,719
Gilliam Coal & Coke Co.	148,506
Lynchburg Coal & Coke Co.	147,500
Booth-Bowen Coal & Coke Co.	141,075
Buckeye Coal & Coke Co.	135,048
Louisville Coal & Coke Co.	132,487
Superior Pocahontas Coal Co.	132,088
Eureka Coal & Coke Co.	131,400
Glen Alum Coal Co.	131,300
The Tidewater Coal & Coke Co.	130,722
Peerless Coal & Coke Co.	130,529
Indian Ridge Coal & Coke Co.	128,409
Elk Ridge Coal & Coke Co.	128,167
War Eagle Coal Co.	126,490
J. B. B. Collieries Co.	124,540
Shawnee Coal & Coke Co.	110,485
Thomas Coal Co.	106,899
Arlington Coal & Coke Co.	103,201
Crystal Coal & Coke Co.	99,730
Spring Coal Mining Co.	96,804
The Monitor Coal & Coke Co.	92,630
Roanoke Coal & Coke Co.	90,240
Oregon Coal Co.	84,900
The Weyanoke Coal & Coke Co.	83,088
King Coal Co.	78,817
Zenith Coal & Coke Co.	75,178
Middle States Coal & Coke Co.	72,315
Draper Coal & Coke Co.	67,022
Hali Mining Company	65,287
Margaret Mining Co.	62,472
Chattaroy Colliery Co.	62,390
Howard Colliery Co.	59,539
The Gay Coal & Coke Co.	57,809
The Buffalo Collieries Co.	55,549
Hiawatha Coal & Coke Co.	50,322
Twin Branch Mining Co.	48,909
Mohawk Coal & Coke Co.	48,215
Cora Coal & Coke Co.	48,000
The Yuma Coal & Coke Co.	46,576
Lingohocken Coal Co.	46,215

Pawama Coal & Coke Co.	42,220
Marvin Coal Co.	41,696
H. T. Wilson Coal Co.	39,092
The Smokeless Coal & Coke Co.	37,390
Maier Coal & Coke Co.	36,711
Wenonah Coal & Coke Co.	36,536
Dixon-Pocahontas Fuel Co.	35,911
East Lynn Coal Co.	35,756
Rawl Coal & Coke Co.	35,723
Cirrus Coal & Coke Co.	35,444
Pando Coal Co.	32,204
Winifrede Consolidated Coal Co.	29,275
Williamson Coal & Coke Co.	28,849
The Logan Coal Co.	28,559
Stone Branch Coal Co.	28,482
Merrimac Coal & Coke Co.	27,894
Big Creek Coal Co.	27,232
Ethel Coal Co.	25,643
Hemphill Colliery Co.	25,476
Jed Coal & Coke Co.	25,007
Hatfield Colliery Co.	24,585
Price Coal Co.	23,992
Black Wolf Coal & Coke Co.	23,903
Piedmont Colliery	22,910
Atlas-Pocahontas Coal Co.	22,543
Slick Rock Coal Co.	21,420
Welch Coal & Coke Co.	21,000
Mate Creek Coal Co.	17,857
Fort Branch Coal Co.	17,856
The Walnut Hill Coal & Mining Co.	16,646
Vaughan Coal & Coke Co.	15,239
Rex Coal & Coke Co.	14,971
Warfield Coal Co.	14,308
Cephus Coal Co.	13,393
Pearl Coal Mining Co.	12,746
Majestic Collieries Co.	9,640
Dry Fork Mining & Vestment Co.	3,625
Ajax Coal Co.	3,480
T. D. Lee	2,847
Virginia Fuel Co.	1,259
Prudential Coal & Mining Co.	1,116
William Tolliver	652
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Total	13,305,617

*A COMPARATIVE STATEMENT OF THE PICK AND MACHINE MINED
COAL, BY COUNTIES, 1908.*

COUNTY.	Tons of 2,240 lbs.		
	Pick Mined Coal.	Machine Mined Coal.	Total Production.
Brooke	99,985	358,299	458,284
Hancock	18,468	48,043	66,511
Marion	1,501,255	1,939,431	3,440,686
Marshall	58,672	310,517	369,189
Ohio	47,452	96,246	143,698
Harrison	978,012	2,190,030	3,168,042
Lewis	2,628	20,012	22,640
Upshur	42,366	34,407	76,773
Barbour	326,505	502,541	829,046
Monongalia	164,871	106,972	271,843
Preston	548,731	326,055	874,786
Taylor	317,249	79,109	396,358
Grant	54,181	188,261	242,442
Mineral	596,798	25,437	622,235
Randolph	545,803	.....	545,803
Tucker	863,698	56,870	920,568
Braxton	91,763	.....	91,763
Gilmer	6,697	.....	6,697
Mason	57,078	52,660	109,738
Putnam	424,424	.....	424,424
Olay	29,063	13,398	42,461
Fayette	5,067,047	1,784,224	6,851,271
Kanawha	1,063,510	3,460,229	4,523,739
Nicholas	25,777	36,029	61,806
Greenbrier	30,066	.....	30,066
Raleigh	1,117,489	141,931	1,259,420
Mercer	1,760,295	63,379	1,823,674
McDowell	7,384,658	1,131,051	8,515,689
Wyoming	652	.....	652
Lincoln	3,972	21,092	25,064
Logan	8,866	1,206,173	1,215,039
Mingo	519,548	1,195,259	1,714,807
Wayne	35,756	.....	35,756
Totals	23,799,315	15,387,695	39,187,010
Small Mines	180,000	.....	180,000
Grand Totals	23,979,315	15,387,695	39,367,010

*SUMMARY OF THE MACHINE MINED COAL IN THE STATE FOR
THE YEAR ENDING JUNE 30TH, 1908.*

COUNTY.	Number of Mines Using Machines	Number of Ma- chines	Tons of Coal Pro- duced by Ma- chines (Tons of 2,240 lbs.)	Number of Ma- chine Miners.	Number of Ma- chine Runners and Helpers.	Total Number of Machine Men Employed.
Brooke.....	5	31	358,299	394	64	458
Hancock.....	1	4	48,043	44	8	52
Marion.....	19	148	1,939,431	903	250	1,153
Marshall.....	5	21	310,517	280	44	324
Ohio.....	2	5	96,246	163	14	117
Harrison.....	38	202	2,190,030	1,205	314	1,519
Lewis.....	1	3	20,012	20	6	26
Upshur.....	2	5	34,407	16	10	26
Barbour.....	11	43	502,541	289	69	358
Monongalia.....	6	14	106,972	85	20	105
Preston.....	12	63	326,055	422	91	513
Taylor.....	4	7	75,109	84	12	96
Grant.....	1	17	188,261	130	34	164
Mineral.....	2	4	25,497	36	6	42
Tucker.....	1	8	56,870	33	6	39
Mason.....	2	7	52,660	85	24	109
Clay.....	1	4	13,398	17	4	21
Fayette.....	65	241	1,784,224	1,716	398	2,114
Kanawha.....	102	363	3,460,229	2,702	640	3,342
Nicholas.....	5	10	36,029	71	16	87
Raleigh.....	11	34	141,931	183	56	239
Mercer.....	7	23	63,379	38	17	55
McDowell.....	44	148	1,131,631	1,201	187	1,388
Lincoln.....	1	7	21,062	40	14	54
Logan.....	21	91	1,206,173	813	155	968
Mingo.....	30	154	1,195,259	717	291	1,008
Totals.....	399	1,657	15,387,695	11,627	2,750	14,377

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	No of Mine Ma- chines.	Tons of Coal Pro- duced by Machines (Tons of 2,240 lbs.)	No. of Machine Miners.	No. of Machine Runners and Helpers.	Total No Men Em- ployed by Machine Mining.
<i>Brooke County.</i>						
La Belle Coal Co.	Lewis No. 1	3	52,290	60	6	66
Beech Bottom C. Co.	Beech Bottom No. 1	4	48,443	52	6	58
Lewis-Findley C. Co.	Locust Grove	6	87,884	127	20	147
La Belle Iron Works	La Belle Shaft	11	112,540	90	20	110
Rex Carbon C. Co.	Rea No. 1	7	55,942	65	12	77
Totals		31	358,299	394	64	458
<i>Hancock County.</i>						
The Marquet C. Co.	No. 4	4	48,043	44	8	52
Totals		4	48,043	44	8	52
<i>Marion County.</i>						
Fairmont Coal Co.	Murray	3	28,780	15	6	21
"	Montana	7	105,443	52	12	64
"	Shaft	6	124,291	80	12	92
"	New England	10	146,526	60	20	80
"	Gaston	8	116,691	40	12	52
"	Monongah No. 2	4	81,285	25	4	29
"	" No. 6	8	141,497	65	10	75
"	" No. 8	8	170,084	15	11	26
"	Shaver	4	68,271	66	8	74
"	Anderson	10	40,423	20	4	24
"	Highland	3	52,662	30	4	34
"	Middleton	5	96,829	40	10	50
"	Chiefton	6	94,929	46	10	56
"	Hutchinson	3	81,815	27	6	33
"	Chatham Shaft No. 1	24	209,948	135	44	179
George's Creek C. & T. Co.	Stafford	17	169,401	60	30	90
New Central C. Co.	Federal	17	160,804	75	34	109
Federal C. & C. Co.	Parker Run	3	38,553	35	6	41
Parker Run C. & C. Co.	Kilarn No. 1	2	11,095	17	4	21
Kilarn C. & C. Co.						
Totals		148	1,939,431	903	250	1,153

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	No. of Mine Ma- chines.	Tons of Coal Pro- duced by Machine (Tons of 2,240 lbs.)	No. of Machine Miners.	No. of Machine Runners and Helpers.	Total No. of Men employed by Ma- chine Mining.
<i>Harrison County—(Continued)</i>						
Hutchinson Fuel & Supply Co.	Hutchinson Nos. 1 & 2.	11	93,701	28	16	44
Jane Lew C. & C. Co.		2	2,114	3	1	4
Totals		202	2,190,030	1,205	314	1,519
<i>Lewis County</i>						
Jacksonville C. & C. Co.	Sarah B. No. 3.	3	20,012	20	6	26
Totals		3	20,012	20	6	26
<i>Upshur County</i>						
Red Rock Fuel Co.	Red Rock Nos. 1 & 2.	5	34,407	16	10	26
Totals		5	34,407	16	10	26
<i>Barbour County</i>						
Phillippi Collieries Co.	Meriden Nos. 1, 2, 3, 4 & 5	5	75,404	40	6	46
Tygart's River Coal Co.	Arden	2	41,231	30	4	34
Fairmont Coal Co.	Berryburg	16	191,174	92	26	118
The Century C. Co. of W. Va.	Century No. 1.	13	110,889	75	19	94
Grafton Fuel Co.	Lillian No. 1.	4	20,000	12	8	20
Miller C. & C. Co.	Sara.	1	11,704	10	2	12
Midland C. & C. Co.	Midland	2	52,137	30	4	34
Totals		43	502,541	289	69	358
<i>Monongalia County</i>						
Fairmont Coal Co.	Beechwood	3	20,560	10	3	13
Elkins C. & C. Co.	Richard	3	5,111	6	6	12
Connellsville Basin Coke Co.	Sabara	3	57,599	35	5	40
	Nos. 2, 3 & 4.	5	23,702	34	6	40
Totals		14	106,972	85	20	105
<i>Preston County</i>						
The Austen C. & C. Co.	Austen No. 1	3	11,080	35	6	41

The Austen C. & O. Co.	Austen No. 2	3	12,714	40	6	46
Hamilton O. & O. Co.	Newburg Shaft	8	13,110	23	6	33
Gorman O. & O. Co.	Gorman No. 2	6	10,570	6	6	12
Irona Coal Co.	Nos. 1 & 2	6	31,749	17	10	27
Merchants Coal Co.	Merchants No. 2	8	111,038	125	16	141
Kingwood Coal Co.	Hovesville	6	45,755	46	5	51
Orr O. & O. Co.	Vulean	7	10,331	10	12	22
Atlantic O. & O. Co.	Atlantic	9	33,743	78	86	26
Elkins O. & O. Co.	Bretz	3	14,424	20	6	8
Totals	Kingwood	4	29,941	20	8	28
		63	323,655	422	91	513
<i>Taylor County.</i>						
Pittsvelt Coal Co.	Flemington	2	8,944	20	2	22
Maryland Coal Co.	Wendell	3	55,438	43	6	49
Winona O. & O. Co.	Winona No. 1	1	12,834	15	4	19
The Cecil O. & O. Co.	Cecil	1	1,873	6	.....	6
Totals		7	79,109	84	12	96
<i>Grant County.</i>						
Davis O. & O. Co.	Henry No. 22	17	188,261	130	34	164
Totals		17	188,261	130	34	164
<i>Mineral County.</i>						
Abrams Creek O. & O. Co.	Unknown	3	23,858	25	4	30
Gleason O. & O. Co.	Gleason No. 2	1	1,639	10	2	12
Totals		4	25,497	36	6	42
<i>Tucker County.</i>						
Cumberland Coal Co.	Nos. 3, 4 and 5	8	56,870	33	6	39
Totals		8	56,870	33	6	39
<i>Mason County.</i>						
Consumers C. & M. Co.	Canden	5	40,161	65	20	85
Hartford O. & M. Co.	Hartford	2	12,499	20	4	24
Totals		7	52,660	85	24	109
<i>Clay County.</i>						
Dorfee C. M. Co.	Elk Manor	4	13,398	17	4	21
Totals		4	13,398	17	4	21
<i>Fayette County.</i>						
Sunday Creek Co.	No. III	6	137,262	90	6	96

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	No. of Mine Machines.	Tons of Coal Pro- duced by Machines. (Tons of 2,240 lbs.)	No. of Machine Runners and Helpers.	Total No. of Men Employ- ed by Machine Mining.
<i>Fayette County—(Continued)</i>					
Sunday Creek Co.	No. 112	1	33,775	60	66
" "	No. 114	4	122,908	105	113
The Columbus Iron & Steel Co.	No. 115	6	146,326	118	128
Kanawha Gas Co. Co.	No. 1	7	71,853	39	51
W. R. Johnson & Co.	Bagle	1	5,803	7	9
Boomer Co. & Co.	Bakland	4	63,382	40	48
" "	No. 1	6	90,309	119	122
" "	No. 2, North	5	77,714	70	78
" "	No. 2, South	6	105,015	60	68
" "	No. 3	7	115,514	126	140
Paint Creek Collieries Co.	Hickory Camp	4	56,579	40	44
Eureka Colliery Co.	Eureka No. 13	1	910	6	8
The Carver Brothers Co.	Mecca No. 2	2	4,000	4	6
" "	No. 1	1	3,300	5	7
M. B. Coal & Coke Co.	Diamond	3	43,038	40	46
" "	Kimberly	4	8,052	15	23
" "	Columbia	3	16,018	30	34
" "	Elk Ridge No. 1	2	28,452	20	24
The Mount Carbon Co., Ltd.	Vulcan No. 2	2	4,010	10	14
Great Kanawha Colliery Co.	Dugby	2	8,338	7	11
" "	Edwards	3	16,728	6	12
The Gauley Mountain O. Co.	Nova Scotia & Turkey Creek	1	3,966	6	6
Gaymont Colliery Co.	Gaymont	21	54,563	75	95
Sunbury O. & C. Co.	Sunnyside	* 1	14,423	15	19
Beatty-New River O. Co.	Elmo	3	17,602	15	19
Michigan Coal Co.	Michigan	6	6,453	10	12
Brown Coal Co.	Brown	1	1,180	15	21
Nuttallburg O. & C. Co.	Nuttallburg	2	26,104	25	31
Keeneys Creek Colliery Co.	Smokeless	3	4,142	10	16
Rothwell Coal Co.	Hubace No. 2	3	18,522	20	26
Blume O. & C. Co.	Blume	3	21,928	19	25
Moseley & Walker	No. 2	† 1	1,510	8	10
" "	No. 3	4	10,500	2	4

* Not in use. † Just installed.

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE	No. of Mine Ma- chines.	Tons of Coal Pro- duced by Machines (Tons of 2,240 lbs.)	No. of Machines Miners.	No. of Ma- chine Run- ners and Helpers.	Total No. Men Em- ployed by Machines and Mining.
<i>Kanawha County—(Continued)</i>						
The Marinet Coal Co.	Monarch Nos. 1 & 2	15	67,747		22	72
" "	Butler	2	15,488		4	10
" "	No. 2	3	20,004		6	34
" "	No. 5	2	26,391		8	30
Olcott Coal & Iron Co.	Olcott No. 1	3	14,523		8	38
" "	No. 2	2	29,391		8	33
Winifrede Coal Co.	South	4	34,630		4	38
" "	North Pick & Machine	4	38,941		6	50
" "	West	3	22,828		4	23
" "	Gas	2	21,172		4	29
Dry Branch C. Co.	Belmont & Coalburg	9	57,063		12	72
Coalburg Colliery Co.	Ronda	4	8,253		8	8
Wyatt Coal Co.	Oakley	4	41,402		6	42
" "	Berlin	4	36,186		6	38
" "	North	2	13,128		2	15
Wyatt Coal Co.	South	5	49,722		6	57
Persinger Coal Co.	Wilton	1	6,072		2	14
La Mont Mining Co.	La Mont No. 1	2	7,287		2	8
" "	Nos. 2 & 3	3	43,517		35	39
The Holley & Stephenson C. & C. Co.	Stephenson No. 2	4	38,036		8	53
" "	No. 5	4	30,358		29	29
Wake Forest M. Co.	Wake Forest	3	50,130		6	46
Carbon Coal Co.	North	2	31,410		4	24
" "	South	5	65,799		65	75
" "	No. 5 or Split	3	37,597		35	41
Republic Coal Co.	No. 1	3	47,562		6	41
" "	No. 2	5	70,723		35	61
" "	No. 3	3	37,678		6	31
West Virginia Colliery Co.	No. 1	5	106,410		10	50
" "	No. 2	2	26,964		4	23
" "	No. 3	3	35,901		4	24
" "	No. 4	2	27,401		4	17
Gabin Greek Cons. C. Co.	DAVIS	2	53,648		8	33
" "	Cherokee	7	35,653		10	34
" "	Caladonia	4	19,307		4	19
" "	Red Warrior	6	45,639		8	33

Cabin Creek Cons. C. Co.	Buckeye	1	14,886	10	2	12
Empire	Empire	5	40,499	22	8	30
Keystone	Keystone	2	14,582	7	4	11
Shamrock	Shamrock	5	65,453	33	10	43
Thistle	Thistle	2	22,632	12	4	16
Raccoon	Raccoon	5	30,582	16	10	26
Rose	Rose	2	29,727	17	4	21
Kayford	Kayford	8	68,963	42	16	58
Holly	Holly	6	44,554	21	12	33
Quarrier	Quarrier	6	55,404	23	12	35
United Gas	United Gas	4	42,725	17	8	25
United Splint	United Splint	3	29,655	12	4	16
Belleclare	Belleclare	3	27,657	16	6	22
Ruby	Ruby	3	32,834	16	6	22
Reynolds	Reynolds	3	41,174	43	6	51
Seranton	Seranton	3	64,417	42	6	54
Paint Creek	Paint Creek	5	76,132	53	10	63
Waconah	Waconah	4	26,690	45	6	51
Banner No. 1	Banner No. 1	4	27,337	22	8	30
Banner No. 2	Banner No. 2	1	21,892	20	2	22
Detroit	Detroit	4	19,685	14	4	18
Morton No. 1	Morton No. 1	1	10,372	5	2	7
Grose No. 1	Grose No. 1	2	14,241	10	2	12
Grose No. 2	Grose No. 2	2	22,179	19	2	21
Greenbrier No. 3	Greenbrier No. 3	2	18,214	25	4	29
Coalburg No. 4	Coalburg No. 4	2	14,022	40	8	48
Coalburg	Coalburg	5	7,518	30	4	34
Lewiston	Lewiston	1	2,579	10	2	12
O & N Coal'g & Lewis	O & N Coal'g & Lewis	6	67,630	50	10	60
Coalburg No. 8	Coalburg No. 8	6	35,715	50	10	60
Standard	Standard	5	80,862	55	10	65
No. 1	No. 1	6	17,434	15	6	21
No. 2	No. 2	3	31,497	30	6	36
No. 3	No. 3	4	52,015	38	6	44
Chesapeake No. 1	Chesapeake No. 1	4	22,132	20	10	30
Nos. 2 & 3	Nos. 2 & 3	5	35,007	29	8	37
Montgomery	Montgomery	4	5,584	4	2	6
Morris Creek	Morris Creek	4	4,000	17	6	23
Totals	Totals	363	3,400,229	2,702	640	3,342
The Columbus Coal Co.	Vaughan No. 1	2	1,785	5	2	7
Bell Creek Coal Co.	Bell Creek	2	9,548	15	4	19
Kentucky Coal & Lumber Co.	Mt. Carmel	2	4,464	18	2	20
Paint Creek Collieries Co.	Cambria	2	7,856	22	4	26
	Raven	2	12,376	11	4	15
Totals	Totals	10	36,029	71	16	87

Nicholas County.

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1908.

NAME OF COMPANY	NAME OF MINE	No. of Mine Machines	Tons of Coal Pro- duced by Machines (Tons of 2,240 lbs.)	No. of Machine Runners and Helpers.	Total No. of Men Em- ploy- ed by Machine Mining.
<i>Raleigh County.</i>					
Big Coal Co.	Dorothy.	5	13,142	40	46
The New River Collieries Co.	Eccles No. 11	3	7,695	25	35
McKell C. & C. Co.	Oswald	4	13,786	18	24
Raleigh C. & C. Co.	Graham	3	1,500	6	10
	Raleigh No. 3	3	11,731	6	6
	No. 6	4	11,516	8	33
Granberry Fuel Co.	Skelton	4	30,625	10	30
Beckley C. & C. Co.	Beckley	1	1,433	4	6
Price Hill Fuel Co.	Price Hill	6	17,643	30	42
Slab Fork Coal Co.	Nos. 1 and 2	1	3,000	5	7
Totals		34	141,931	183	239
<i>Mercer County.</i>					
Louisville C. & C. Co.	Louisville & Goodwill	* 1			
The Weyanoke C. & C. Co.	Weyanoke & Efflu.	2	3,354	9	10
Piedmont Colliery	Piedmont, Nos. 1 and 2	10	11,292	14	22
Spring Coal Mining Co.	Spring	7	45,833	15	33
Totals		23	63,379	38	55
<i>Mehowell County.</i>					
Indian Ridge C. & C. Co.	Indian Ridge	2	15,439		7
Mehowell C. & C. Co.	Mehowell	6	39,346	20	28
Mohawk C. & C. Co.	Mohawk	9	48,215	39	59
New River & Pocahontas Consolidated C. Co.	No. 1	4	64,650	12	37
	No. 1 ²	4	52,182	33	33
	No. 2	7	75,731	30	44
	No. 3	3	27,888	10	16
	Marytown	1			
	Twin Branch	8	19,621	150	150
	No. 1	7	11,686	90	90
	No. 2	3	7,745	30	30
	No. 3	7	16,776	180	180
J. B. B. Collieries Co.	J. B. B. Nos. 1, 2, 3, 4 and 5	4	5,734	48	48
		†	14,899	42	42

* Not in use.

† Just installed for experimental purposes.

Superior-Pocahontas C. Co.		1	8,725	15	2	17
"	"	3	8,195	20	2	222
"	"	1	5,102	20	2	222
The Pando Coal Co.		3	16,102	22	6	28
Atlas-Pocahontas C. Co.		5	15,651	15	10	25
Oregon Coal Co.		10	74,900	30	7	37
United States C. & O. Co.		6	69,559	60	12	72
"	"	4	64,890	55	8	63
"	"	4	58,511	35	6	41
"	"	2	40,798	20	4	24
"	"	3	22,158	20	6	26
"	"	3	37,323	20	4	24
"	"	3	23,303	25	6	31
Black Wolf C. & O. Co.		2	55,121	16	4	20
Page C. & O. Co.		6	7,000	10	6	16
Welch C. & O. Co.		3	12,200	8	4	12
Hemphill Colliery Co.		3	72,315	55	8	63
Middle States C. & O. Co.		5	31,837	20	7	27
Dixon-Pocahontas Fuel Co.		1	4,074	3	2	5
King Coal Co.		2	44,419	8	4	12
The Tidewater C. & O. Co.		1	26,157	12	2	14
Bottom Creek C. & O. Co.		1	6,540	8	1	9
Pawhatan C. & O. Co.		2	13,000	5	4	9
Upland C. & O. Co.		1	10,000	5	4	5
Totals		148	1,131,031	1,201	187	1,388
<i>Lincoln County.</i>						
Branchland Coal Co.		7	21,092	40	14	54
Totals		7	21,092	40	14	51
<i>Logan County.</i>						
Stone Branch Coal Co.		4	25,732	32	6	38
Big Creek Coal Co.		3	27,232	30	4	34
Draper C. & O. Co.		8	62,022	32	15	47
H. T. Wilson Coal Co.		7	39,092	33	13	46
Fork Branch Coal Co.		6	17,856	15	8	23
Price Coal Co.		5	23,992	25	4	29
Rex C. & O. Co.		2	14,971	18	6	24
The Logan Coal Co.		7	28,559	40	12	52
Ethel Coal Co.		8	25,045	25	16	41
The Monitor C. & O. Co.		3	42,630	38	10	68
The Yuma C. & O. Co.		3	46,576	24	5	29
The Gay C. & O. Co.		3	57,809	16	6	39
Corra C. & O. Co.		4	48,000	35	4	39
United States C. & O. Co.		7	313,285	133	14	147
"	"	8	277,990	157	16	173
"	"	2	33,511	49	4	53

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	No. of Mine Machines.	Tons of Coal Produced by Machines (Tons of 2,240 lbs.).	No. of Machine Runners and Helpers.	Total No. Men Employed by Machine Mining.
<i>Logan County—(Continued.)</i>					
United States O. & C. Co.	Island Creek No. 4 " Nos. 5 & 6.	2 4	28,398 42,875	44 47	48 55
Totals		91	1,206,173	813	968
<i>Mingo County.</i>					
Pearl Coal Mining Co.	Hagerly	2	11,470	15	20
Warfield Coal Co.	Warfield	4	1,765	16	24
Hatfield Colliery Co.	Hatfield	5	24,585	17	25
Chatthay Colliery Co.	Chatthay	6	62,390	50	62
The Buffalo Collieries Co.	Buffalo	7	55,549	15	27
Lingolocken Coal Co.	Lingolocken No. 1	5	22,480	20	30
Howard Colliery Co.	Howard	8	53,530	30	40
Winfrede Consolidated C. Co.	Sugar Tree	5	29,253	20	26
Williamson O. & C. Co.	Williamson No. 2	6	15,300	35	37
Rawl O. & C. Co.	No. 1	3	23,214	10	16
	No. 2	3	12,569	7	13
Merrimac O. & C. Co.	Coal Station	1	11,563	15	13
Marvin Coal Co.	Commercial	6	16,391	20	23
Red Jacket Consolidated O. & C. Co. (Inc)	Marvin	6	41,696	19	31
"	Rutherford	4	53,743	36	46
"	Logan	1	5,463	6	8
"	Red Jacket	8	90,105	69	89
Mate Creek Coal Co.	Maritime	2	16,626	25	33
Thacker O. & C. Co.	Nos. 1 & 2	4	17,837	33	37
	No. 2	6	74,915	35	47
Thacker Fuel Co.	No. 3	9	206,571	75	93
Glen Alum Coal Co.	No. 10	8	33,222	9	23
	No. 1	5	77,022	20	30
War Eagle Coal Co.	No. 2	8	43,017	20	34
"	Pappoose	7	46,053	35	47
"	Mephisto	7	60,352	40	54
"	Star	5	30,085	35	45
Margaret Mining Co.	Margaret Nos. 1 & 2	9	62,472	50	64
Totals		154	1,195,259	717	1,008

SUMMARY OF THE NUMBER AND KINDS OF MINING MACHINES
IN USE IN THE STATE FOR THE YEAR
ENDING JUNE 30TH, 1908.

COUNTY.	Electrical Mine Machines.						Compressed Air Mine Machines.				Total No. of Machines.	Tons of Coal Produced by Machines. (Tons of 2,240 lbs.)
	Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Ingersoll-Rand.	Harrison.	Pneum-Electric.	Harrison.	Ingersoll-Rand.	Sullivan.	Jeffrey.	
Brooke	28			3							31	358,299
Hancock	4										4	48,043
Marion	50	26		1				27	27	7	148	1,939,431
Marshall	19							2			21	310,517
Ohio	5										5	96,246
Harrison	72	23	5		1	6		52	32	11	202	2,190,030
Lewis								3			3	20,012
Upshur	2			3							5	34,407
Barbour	21	8	2	3				4	3	2	43	502,541
Monongalia	6	5		3							14	106,972
Preston	2	6	6	5				36	2	6	63	326,055
Taylor		3	3	1							7	79,109
Grant									17		17	188,261
Mineral	3	1									4	25,497
Tucker									4	4	8	56,870
Mason	2	3									7	52,660
Clay		4									4	13,398
Fayette	56	36	38	26				69		14	241	1,784,224
Kanawha	136	154	29	15			2	25	2		363	3,460,229
Nicholas	3	7									10	36,029
Raleigh	14	3		3			3	10		1	34	141,931
Mercer	1	1						1	17	3	23	63,379
McDowell	10	3	10	40			3	16	57	9	148	1,131,031
Lincoln								7			7	21,092
Logan	31	6	3	4			1	42		4	91	1,206,173
Mingo	26	12		1				90	16	8	154	1,195,259
Totals	491	303	96	108	1	6	11	384	177	69	1,657	15,387,695

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.						Compressed Air Mine Machines.				Total Number of Machines.	Tons of Coal Produced by Machines (Tons of 2,240 lbs.)	
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Ingersoll-Rand.	Harrison.	Pneumatic.	Harrison.	Ingersoll-Rand.	Sullivan.			Jeffrey.
<i>Brook County.</i>														
La Belle Coal Co.	Lewis No. 1	3											3	52,290
Beech Bottom Coal Co.	Beech Bottom No. 1	1											4	48,443
Lewis-Findley Coal Co.	Locust Grove.	6			3								6	87,884
La Belle Iron Works	La Belle Shaft.	11											11	112,740
Rex Carbon Coal Co.	Rex No. 1	7											7	56,942
Totals		28			3								31	358,299
<i>Hancock County.</i>														
The Marquet Coal Co.	No. 4	4											4	48,043
Totals		4											4	48,043
<i>Marion County.</i>														
Fairmont Coal Co.	Murray	3											3	28,780
"	Montana	7											7	105,443
"	Shaft	6											6	124,291
"	New England	10											10	146,526
"	Gaston	7			1								8	116,691
"	Monongah No. 2		4										4	81,385
"	" No. 6		4										4	141,497
"	" No. 8		4										4	170,084
"	Shaver												4	68,271
"	Anderson									2	2		4	40,423
"	Highland	3								6			3	52,662
"	Middleton	5											5	96,839
"	Chefton	6											6	94,929
"	Hutchinson	3											3	81,815
George's Creek Coal & Iron Co.	Chatham Shaft No. 1											5	6	299,948
New Central Coal Co.	Stafford											5	4	169,404
Federal U. & O. Co.	Federal											12	4	160,804

Parker Run O. & C. Co.	50	26	1							3	10	148	38,553
Kilarn O. & C. Co.													11,996
Totals													1,939,432
<i>Marshall County.</i>													
Hitchman O. & C. Co.	10											10	226,809
Wheeling Steel & Iron Co.	3											3	42,363
Glendale Coal Co.	4											4	35,945
Mound Coal Co.										2			5,357
Bituminous O. Co. of America.	2												2,043
Totals	19									2		21	310,517
<i>Ohio County.</i>													
Richland Coal Co.	3											3	71,874
Elm Grove Coal Co.	2											2	24,352
Totals	5											5	96,246
<i>Harrison County.</i>													
Clarksburg Fuel Co.	4											4	66,167
"	5											12	111,280
"	15											15	134,344
O'Neil	2									15		4	48,437
Two Lick	2											9	69,238
Interstate	7									9		7	124,788
Enterprise	4											4	70,191
Viropa	3											3	53,471
Riverdale	2											2	80,552
Ehlen	3											3	59,943
Solon	12											12	132,617
Gypsy	2											3	50,047
Meadowbrook	2											2	39,794
Globe	4											4	62,583
Dunham	3									1		11	43,301
Ocean	3									7		11	69,027
Columbia	5									4		3	20,510
Robinson Run	1											1	10,046
Lynch	5											7	86,784
Perry	1											4	35,471
Coaling Station	5											5	68,258
Pooz	4											4	50,180
Lucas												4	75,000
Girard No. 1												2	24,000
No. 2 at Girard No. 1												2	50,807
Harold												9	87,074
Erie										5		1	22,173
Rosebud												2	4,910
Monroe Colliery Co.												1	58,538
Sylvester												2	
Waldo										9		11	

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.						Compressed Air Mine Machines.				Total Number of Machines.	Tons of Coal Produced by Machines (Tons of 2,240 lbs.)	
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Ingersoll-Rand.	Harrison.	Pneumoelectric.	Harrison.	Ingersoll-Rand.	Sullivan.			Jeffrey.
<i>Harrison County—(Continued).</i>														
Madeira-Hill-Clark O. Co.	New Chieftain & Randolph		6										6	66,732
O'Garra O. M. Co.	O'Garra												5	59,720
Douglas-Rauch C. & C. Co.	Phoenix												5	38,410
Pitcairn Coal Co.	Pitcairn	3											3	64,139
Marshall Coal Co.	Marshall												1	57,333
Hutchinson Fuel & Supply Co.	Hutchinson Nos. 1 & 2		1	1							6		11	93,701
Totals		72	23	5		1	6				11		302	2,190,030
<i>Lewis County.</i>														
Jacksonville O. & C. Co.	Sarah B No. 3												3	20,012
Totals													3	20,012
<i>Upshur County.</i>														
Red Rock Fuel Co.	Red Rock Nos. 1 & 2	2			3								5	34,407
Totals		2			3								5	34,407
<i>Barbour County.</i>														
Philippi Collieries Co.	Meriden Nos. 1, 2, 3, 4 & 5	2	1	2									5	75,404
Tygart's-River Coal Co.	Arden												2	41,233
Fairmont Coal Co.	Berryburg	13									2		16	191,174
The Century Coal Co. of W. Va.	Century No. 1	6	7										13	110,889
Grafton Fuel Co.	Lillian No. 1												4	20,000
Miller O. & C. Co.	Sara				1								1	11,704
Midland O. & C. Co.	Midland				2								2	52,137
Totals		21	8	2	3						4	2	43	502,541

Monongalia County.

Fairmont Coal Co.	3									3	29,560
Elkins C. & O. Co.	3									3	5,111
Richardson	3									3	57,399
Connellsville Basin Coke Co.	5									5	23,702
Totals	6	5								14	106,972

Preston County.

The Austen C. & O. Co.						3					3	11,080
Hamilton C. & O. Co.						3					3	12,714
Gorman C. & O. Co.											8	13,110
Irona Coal Co.											6	10,570
Merchants Coal Co.											6	34,749
Kingwood Coal Co.						6					8	111,038
Orr C. & O. Co.											6	43,755
Vulcan											7	10,461
Atlantic C. & O. Co.											9	33,743
Elkins C. & O. Co.											3	14,424
Bretz											2	29,941
Kingwood											4	
Totals	2	6	6			6				36	63	326,055

Taylor County.

Pittsvelt Coal Co.												8,944
Maryland Coal Co.						3					3	55,458
Winona C. & O. Co.											1	12,834
The Cecil C. & O. Co.						1					1	1,873
Oecil												
Totals						3	3	1			7	79,109

Grant County.

Davis C. & C. Co.											17	188,201
Henry No. 22										17		
Totals										17		188,201

Mineral County.

Abrams Creek C. & C. Co.	3										3	23,858
Gleason C. & O. Co.						1					1	1,639
Totals	3					1					4	25,497

Tucker County.

Cumberland Coal Co.												56,870
Nos. 3, 4 & 5										4	4	
Totals										4	4	56,870

The Mt. Carbon Co., Ltd.	Vulcan.	2							8,338
Great Kanawha Colliery Co.	Digby	3							16,728
The Gauley Mountain C. Co.	Edwards			1					3,906
Gaymont Colliery Co.	Nova Scotia & T'k Creek								51,503
Sunbury C. & C. Co.	Gaymont						21		14,423
Beury-New River Coal Co.	Sunnyside	3		2					17,602
Michigan	Ethao	3	1						6,453
Brown Coal Co.	Michigan	1							1,180
Nuttallburg C. & C. Co.	Brown	2		1					26,104
Keeney's Creek Colliery Co.	Nuttallburg			2					4,142
	Smokeless	No. 2		1					18,522
	Dubree			1					21,928
Rothwell Coal Co.	Blume	3							1,500
Blume C. & C. Co.	No. 2	1							10,700
Moseley & Walker	No. 3	4							4,500
Pennsylvania & New River C. Co.	Kohinoor			1					27,065
Pharrah Creek C. & C. Co.	Buffalo	1		4					16,107
New River & Pocahontas Cons. C. Co.	No. 2			2					20,647
"	No. 3			3					37,022
"	No. 4			4					43,065
"	No. 5			5					7,984
The Low Moor Iron Co. of Virginia.	Kay Moor No. 1			2			18		23,157
The Goshen Iron Co.	Elverton	2		2					9,425
South Side Co.	South Side	1		1					4,100
The New River Collieries Co.	Brooklyn			3			4		2,995
The Dungen Coal Co.	Rush Run			1					30,542
The Star C. & C. Co.	Star	2		1					5,891
Laura Mining Co.	Laura			1					13,200
McKell C. & C. Co.	Berrydale			1			1		10,495
Collins Colliery Co.	Kilsoth	1							9,706
White Oak Fuel Co.	Nos. 1 and 2			1					19,411
"	Wingrove			1					24,500
"	Scarbrough			1			3		24,100
"	Whipple			1			3		7,240
"	Oakwood						2		27,503
Stuart Colliery Co.	Paral			1					11,023
Macdonald Collier Co.	Macdonald						6		6,000
Price Hill Fuel Co.	Sherwood						3		1,784,224
Turkey Knob Coal Co.	Turkey Knob			1					241
Totals		56	36	38	26		69	14	1,784,224
Kanawha County.									
The Elk Coal Co.	Queen Shoals	2							8,660
"	Turner	3							19,346

*Not in use.

Wyatt Coal Co.	South.	2	4	49,722
Persinger Coal Co.	Wilton.	1	1	7,072
La Mont Mining Co.	La Mont No. 1.	2	2	7,287
	Nos. 2 & 3.	3	3	43,517
The Holley & Stephenson C. & C. Co.	Stephenson No. 2.	1	1	58,036
	No. 3.	4	4	30,358
Wake Forest M. Co.	Wake Forest.	3	3	50,130
Carbon Coal Co.	North.	5	5	31,410
" "	South.	3	3	65,799
" "	No. 5 or Splint	3	3	37,397
Republic Coal Co.	No. 1.	3	3	47,562
" "	No. 2.	3	3	70,723
" "	No. 3.	3	3	37,678
West Virginia Colliery Co.	No. 1.	5	5	106,410
" "	No. 2.	2	2	28,964
" "	No. 3.	2	2	23,901
" "	No. 4.	2	2	23,401
Cabin Creek Consolidated C. Co.	Davis.	4	4	53,048
" "	Oherokee.	1	1	35,633
" "	Caledonia.	3	3	19,307
" "	Red Warrior.	1	1	45,639
" "	Buckeye.	1	1	14,886
" "	Empire.	5	5	40,499
" "	Keystone.	2	2	14,582
" "	Shamrock.	1	1	65,453
" "	Thistle.	1	1	22,632
" "	Raccoon.	3	3	30,582
" "	Rose.	1	1	29,727
" "	Kayford.	3	3	68,903
" "	Holly.	4	4	44,504
" "	Quarrier.	4	4	53,404
" "	United Gas.	3	3	42,725
" "	Splint.	2	2	29,653
" "	Belleclare.	3	3	27,637
Paint Creek Collieries Co.	Ruby.	3	3	32,834
" "	Reynolds.	3	3	41,174
" "	Scranton.	4	4	64,417
" "	Paint Creek.	5	5	76,152
" "	Wacomah.	4	4	26,690
" "	Banner No. 1.	4	4	27,337
" "	No. 2.	1	1	21,892
" "	Detroit.	4	4	19,685
" "	Morton No. 1.	1	1	10,372
" "	Grose No. 1.	2	2	14,241
" "	No. 2.	2	2	22,179
" "	Greenbrier No. 3.	1	1	18,244
The Coalburg-Kanawha C. Co.	Coalburg No. 4.	1	1	14,022
Southwestern Splint Fuel Co.	Coalburg.	3	3	1,518
" "	Lewiston.	1	1	2,379
Pelmont Coal Co.	O & N Coalburg & Lewiston.	5	5	67,630

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.						Compressed Air Mine Machines.				Total Number of Machines.	Tons of Coal Produced by Machines (Tons of 2,240 lbs.)	
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Ingersoll-Rand.	Harrison.	Pneumoelectric.	Harrison.	Ingersoll-Rand.	Sullivan.			Jeffrey.
<i>McDowell County—(Continued).</i>														
The Tidewater C. & C. Co.	Tidewater	1											1	26,157
Bottom Creek C. & C. Co.	Bottom Creek	1											1	6,540
Powhatan C. & C. Co.	Powhatan												1	13,000
Upland C. & C. Co.	No. 1	1											1	10,000
Totals		10	5	10	40			3		57	9		148	1,131,031
<i>Lincoln County.</i>														
Branchland Coal Co.														21,092
Totals														21,092
<i>Logan County.</i>														
Stone Branch C. Co.	Nos. 1 and 2	2	2										4	25,732
Big Creek C. Co.	Big Creek	2											3	27,232
Draper C. & C. Co.	Draper												8	62,022
H. T. Wilson C. Co.	Wilson										1		1	39,092
Fort Branch C. Co.	Fort Branch												5	17,836
Price Coal Co.	Price												5	23,992
Rex C. & C. Co.	Rex												1	14,971
The Logan C. Co.	Logan No. 1										1		1	28,559
Ethel Coal Co.	Ethel												1	25,643
The Monitor C. & C. Co.	Monitor & Beechwood	1	1	3									3	92,630
The Yuma C. & C. Co.	Yuma		2		1								3	46,576
The Gay C. & C. Co.	Gay		1		1								3	57,809
Gora C. & C. Co.	Gora	4											4	48,000
United States C. & C. Co.	Island Creek No. 1	6			1								1	313,285
"	" No. 2	8											2	277,990
"	" No. 3	1			1								1	33,511
"	"	2											2	28,398
United States C. & C. Co.	Island Creek Nos. 5 and 6	4											4	42,875
Totals		31	6	3	4			1		42	4		91	1,206,173

Mingo County.

[illegible]

TABLE SHOWING THE COMPARATIVE STATEMENT OF THE COKE PRODUCTION FOR 1907 AND 1908.

(Tons of 2,000 lbs.)

COUNTY.	1908	1907	Increase of 1908 Over 1907	Decrease of 1908 Under 1907
Marion	105,743	233,700		127,957
Harrison	1,092	22,390		21,298
Upshur	4,010	2,100	1,910	
Barbour	44,359	34,050	10,329	
Monongalia	76,386	113,051		36,645
Preston	138,644	222,846		84,202
Taylor		1,747		1,747
Randolph	129,273	241,054		114,781
Tucker	149,229	262,951		113,722
Fayette	415,425	615,577		200,152
Kanawha	12,124	18,287		6,163
Raleigh	497		497	
Mercer	219,597	313,117		93,520
McDowell	1,681,884	1,744,819		62,935
Totals	2,978,263	3,828,649	12,736	863,122

ORDER IN THE PRODUCTION OF COKE.

1897—1908.

COUNTIES.	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
McDowell	1	1	1	1	1	1	1	1	1	1	1	1
Fayette	2	2	2	2	2	2	2	2	2	2	2	2
Tucker	3	3	3	4	3	3	3	3	4	4	4	4
Mercer	5	4	3	5	4	5	5	4	3	3	3	3
Marion	4	5	4	3	5	4	4	5	6	6	6	7
Preston	7	6	6	6	9	9	8	7	7	7	7	5
Kanawha	6	7	8	7	6	7	10	10	9	9	11	10
Randolph				12	7	6	6	6	5	5	5	6
Monongalia	9	9	11	8	11	8	9	8	8	8	8	8
Harrison		10	10	9	10	10	7	11		11	10	12
Barbour		11	9	11	8	11	11	9	10	10	9	9
Raleigh	8	8	7	10							12	13
Upshur											13	11
Taylor												

NUMBER OF COKE OVENS NOT IN USE—1908.

COUNTY.	No. Coke Ovens Not in Use	Field in which Lo- cated.
Marion	598	Upper Monongahela
Harrison	252	" "
Upshur	4	" "
Barbour	70	" "
Monongalia	117	" "
Preston	446	" "
Taylor	18	" "
Randolph	146	" "
Tucker	262	Upper Potomac
Fayette	1,398	New River
Raleigh	55	" "
Mercer	869	Pocahontas
McDowell	4,302	" "
Total	8,572	

NUMBER OF COKE OVENS NOT IN USE—1908.

NAME OF COMPANY.	NAME OF MINE.	No. of Coke Ovens Not in use
<i>Marion County.</i>		
Fairmont Coal Co.	Murray	96
" " "	Montana	91
" " "	Shaft	36
" " "	New England	94
" " "	Monongah No. 6	142
" " "	No. 8	39
" " "	Pennois	12
" " "	Hutchinson	50
George's Creek Coal & Iron Co.	Chatham Shaft No. 1	18
Federal O. & C. Co.	Federal	20
Total		598
<i>Harrison County.</i>		
Fairmont Coal Co.	Enterprise	60
" " "	Meadowbrook	50
" " "	Globe	22
Fairmont & Baltimore O. & C. Co.	Fairmore	30
Hutchinson Fuel & Supply Co.	Hutchinson Nos. 1 & 2	90
Total		252
<i>Upshur County.</i>		
Buckhannon River Coal Co.	Florence	4
Total		4
<i>Barbour County.</i>		
Davis Colliery Co.	Junior No. 4	19
Midland O. & C. Co.	Midland	51
Total		70
<i>Monongalia County.</i>		
Opekiska C. & C. Co.	Opekiska	1
Fairmont Coal Co.	Beechwood	46
Connellsville Basin Coke Co.	Nos. 2, 3 & 4	100
Total		147
<i>Preston County.</i>		
The Austen O. & C. Co.	Austen No. 2	150
Off O. & C. Co.	Vulcan	65
Manufacturers O. & C. Co.	Victoria No. 2	64
Elkins O. & C. Co.	Bretz	61
" " "	Masontown	80
Preston County Coke Co.	Cascade	26
Total		446
<i>Taylor County.</i>		
Winona O. & C. Co.	Winona No. 1	18
Total		18
<i>Randolph County.</i>		
Davis O. & C. Co.	Weaver No. 1	9
Davis Colliery Co.	Coalton, No. 1	112
" " "	Harding, No. 3	25
Total		146
<i>Tucker County.</i>		
Cumberland Coal Co.	Nos. 3, 4 & 5	63
Davis O. & C. Co.	Thomas No. 34	21
" " "	Coketon No. 36	56
" " "	No. 37	122
Total		262
<i>Fayette County.</i>		
Sunday Creek Co.	No. 112	200
W. R. Johnson	Eagle No. 1	74

NUMBER OF COKE OVENS NOT IN USE—1908.

NAME OF COMPANY.	NAME OF MINE.	No. of Coke Ovens Not in Use
<i>Fayette County—Cont'd.</i>		
St. Clair Colliery Co.	Eagle	4
The Mt. Carbon Colliery Co., Ltd.	Vulcan	68
Loup Creek Colliery Co.	Eagle & Ansted	255
The Gauley Mountain Coal Co.	Nova Scotia & Turkey Creek	77
Gaymont Colliery Co.	Gaymont	24
Sunbury C. & C. Co.	Sunnyside	18
The Fayette C. & C. Co.	Fayette	2
Nuttallburg C. & C. Co.	Nuttallburg	35
Fire Creek C. & C. Co.	Fire Creek & Buffalo	48
Stone Cliff C. & C. Co.	Stone Cliff	60
Beechwood C. & C. Co.	No. 1	8
Quinnimont Coal Co.	Big Q & Lick Branch	37
Greenwood Coal Co.	Greenwood	47
The Low Moor Iron Co. of Va.	Kay Moor No. 1	22
The Goshen Iron Co.	Elverton	9
The New River Collieries Co.	Brooklyn	24
" " " " " "	Red Ash	80
" " " " " "	Rush Run	22
" " " " " "	Sun Nos. 1, 2 & 3	120
Harvey C. & C. Co.	No. 2	12
Collins Colliery Co.	Nos. 1 & 2	10
Macdonald Colliery Co.	Macdonald	80
Turkey Knob Coal Co.	Turkey Knob	60
Total		1,306
<i>Raleigh County.</i>		
Raleigh C. & C. Co.	Raleigh Nos. 1, 2 & 4	55
Total		55
<i>Mercer County.</i>		
Mill Creek C. & C. Co.	Coaldale	80
" " " " " "	E. & W. Mill C'k & Tug Riv	90
Buckeye C. & C. Co.	Buckeye	115
Booth-Bowen C. & C. Co.	Booth-Bowen	107
Pocahontas Consolidated Collieries Co., Inc.	Caswell, Hemlock & Elkh'n	156
Louisville C. & C. Co.	Louisville & Goodwill	161
Crystal C. & C. Co.	Crystal	49
Crane Creek C. & C. Co.	Nos. 1 & 2	40
Pinnacle C. & C. Co.	Pinnacle N. & S.	50
Thomas Coal Co.	Thomas	21
Total		869
<i>McDowell County.</i>		
Algoma C. & C. Co.	Piney & North Fork	165
Elk Ridge C. & C. Co.	Elk Ridge	125
Gilliam C. & C. Co.	Gilliam	137
Roanoke C. & C. Co.	Roanoke	71
Arlington C. & C. Co.	Arlington	83
Greenbrier C. & C. Co.	Greenbrier	136
McDowell C. & C. Co.	McDowell	135
Ashland C. & C. Co.	Ashland & Monitor	335
Pocahontas Consolidated Collieries Co., Inc.	Lick Branch	18
" " " " " "	Delta	45
" " " " " "	Shamokia	214
" " " " " "	Norfolk & Angle	164
Elkhorn C. & C. Co.	Elkhorn	75
New River & Pocahontas Cons. C. Co.	No. 1	100
United States C. & C. Co.	No. 1	54
" " " " " "	No. 2	20
" " " " " "	No. 3	70
" " " " " "	No. 4	7
" " " " " "	No. 5	15
" " " " " "	No. 6	86
" " " " " "	No. 7	28
United States C. & C. Co.	No. 8	47
Page C. & C. Co.	Nos. 1, 2 & 3	389
Middle States C. & C. Co.	No. 11	65
The Tidewater C. & C. Co.	Tidewater	245

NUMBER OF COKE OVENS NOT IN USE—1908.

NAME OF COMPANY.	NAME OF MINE.	No. of Coke Ovens Not in Use
<i>MeDowell County—Cont'd.</i>		
Bottom Creek O. & C. Co.	Bottom Creek	148
Peerless O. & C. Co.	Peerless	174
The Empire O. & C. Co.	Empire	150
Shawnee O. & C. Co.	Shawnee	108
Eureka O. & C. Co.	Eureka	100
Pulaska Iron Co.	Pulaski Nos. 1 & 2	40
Keystone O. & C. Co.	Keystone Nos. 1 & 2	161
Lynchburg O. & C. Co.	Lynchburg	113
Powhatan O. & C. Co.	Powhatan	125
Upland O. & C. Co.	No. 1	132
Houston O. & C. Co.	Nos. 1 & 2	30
Crozer O. & C. Co.	Nos. 1 & 2	179
Total		4,309

PRODUCTION OF COKE BY COUNTIES FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Coke Plants Reported.	Total Tons of Coal Used in Ovens. (Tons of 2,000 lbs.)	Total Tons of Coke Produced. (Tons of 2,000 lbs.)	Percentage of Yield.	Total No. of Coke Ovens Reported.	Total No. of Coke Ovens Reported Not in Use.	Average No. of Coke Ovens Operated During the Year.		Average No. of Days Ovens were Operated.	Number of Men Employed on Ovens.
							In County	Per Plant		
Brooke.....	11	\$750 173,488	105,743	60.95	961	598	363	57	192	98
Marion.....	6	1,574	1,062	63.02	272	272	20	20	32	6
Harrison.....	1	6,737	4,010	59.52	31	4	30	30	64	14
Upshur.....	1	76,310	44,350	57.64	227	70	157	42	188	63
Barbour.....	4	122,327	76,386	62.44	416	147	209	120	197	92
Monongalia.....	4	248,657	138,644	55.88	923	446	477	127	224	140
Preston.....	8				18					
Taylor.....	1				520	146	374	105	197	135
Randolph.....	3	188,492	129,273	68.52	717	262	455	119	315	149
Tucker.....	4	270,327	149,229	59.61	3,322	1,386	1,926	77	209	665
Fayette.....	31	708,275	415,425	58.65	90		90	90	115	28
Kanawha.....	1	19,939	12,124	60.80	60	55	5	5	80	2
Raleigh.....	1	746	497	66.59	60				89	24
Mercer.....	10	373,304	219,597	58.82	1,846		977	98	224	384
McDowell.....	39	2,891,741	1,681,884	58.16	9,691	4,389	5,382	139	275	2,118
Totals.....	124	5,062,706	2,978,263	58.82	19,097	8,572	10,525	96	216	3,904

* Used in coke ovens located in the State of Ohio

PRODUCTION OF COKE FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Tons of Coal Used in Ovens (Tons of 2,000 lbs.)	Tons of Coke Produced (Tons of 2,000 lbs.)	No. of Coke Ovens Reported.	Average No. Ovens Used Per Plant.	Average No. Days Ovens were Operated.
<i>Brooke County.</i>						
La Belle Iron Works.....	La Belle Shaft.....	*750				
Totals.....		750				
<i>Marion County.</i>						
Fairmont Coal Co.....	Murray.....	438	257	96	59	312
" " " " " "	Montana.....	52,423	31,455	150		
" " " " " "	Shaft.....	36		36		
" " " " " "	New England.....			91		
" " " " " "	Monongah No. 6.....	12,070	7,242	222	80	155
" " " " " "	" " " " " "	35,366	21,219	49	60	187
" " " " " "	Pennols.....			12		
" " " " " "	Hutchinson.....			50		
George's Creek Coal & Iron Co.....	Chatham Shaft No. 1.....	3,744	4,114	75	57	116
Federal C. & C. Co.....	Federal.....	30,000	20,000	60	40	250
The Virginia & Pittsburg C. & C. Co.....	Klugmont.....	33,457	21,425	67	67	200
Totals.....		173,488	105,743	981	57	192
<i>Harrison County.</i>						
Fairmont Coal Co.....	Enterprise.....	127	76	60		
" " " " " "	Meadowbrook.....			50		
" " " " " "	Globe.....			22		
Fairmont & Baltimore C. & C. Co.....	Fairmore.....			30		
Hutchinson Fuel & Supply Co.....	Hutchinson Nos. 1 & 2.....			90		
Jane Lew C. & C. Co.....	Fulmer No. 1.....	1,447	1,016	20	20	32
Totals.....		1,574	1,092	272	20	32
<i>Upshur County.</i>						
Buckhannon River Coal Co.....	Florence.....	6,737	4,010	34	30	64
Totals.....		6,737	4,010	34	30	64
<i>Barbour County.</i>						
Philippi Collieries Co.....	Meriden No. 1, 2, 3, 4 & 5.....	6,816	3,896	50	50	59
Miller C. & C. Co.....	Sara.....	8,063	5,923	25	25	

* Coke ovens and coke made in Ohio.

PRODUCTION OF COKE FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Tons of Coal Used in Ovens (Tons of 2,000 lbs.).	Tons of Coke Produced (Tons of 2,000 lbs.).	No. of Coke Ovens Reported.	Average No. Ovens Used per Plant.	Average No. Days Ovens were Operated.
<i>Barbour County—Continued.</i>						
Davis Colliery Co.	Juniar No. 4.	14,610	10,125	51	32	250
Midland C. & C. Co.	Midland.	47,410	24,415	101	50	270
Totals		76,949	44,359	227	42	188
<i>Monongalia County.</i>						
Opekiska C. & C. Co.	Opekiska.	5,600	3,410	20	19	
Fairmont Coal Co.	Beechwood.	161	97	46		
Elkins C. & C. Co.	Richard.	45,535	27,831	150	150	163
Connellsville Basin Coke Co.	Nos. 2, 3 & 4.	71,010	45,048	200	100	248
Totals		122,327	76,386	416	289	197
<i>Preston County.</i>						
The Austen C. & C. Co.	Austen No. 1.	59,885	42,144	250	100	290
Gorman C. & C. Co.	Gorman No. 2.	17,101	1,782	40	40	47
Oakland C. & C. Co.	Guthrie.	2,494	1,550	50	50	60
Orr C. & C. Co.	Vulcan.	8,462	5,251	100	35	75
Manufacturers C. & C. Co.	Victoria No. 2.			64		
Elkins C. & C. Co.	Bretz.	138,326	79,969	267	206	305
Preston County Coke Co.	Masontown.	20,475	8,818	80		92
Totals		218,057	138,644	923	46	224
<i>Taylor County.</i>						
Winona C. & C. Co.	Winona No. 1.			18		
Totals				18		
<i>Randolph County.</i>						
Davis C. & C. Co.	Weaver No. 1.	46,448	30,811	235	226	151
Davis Colliery Co.	Coalton No. 2.	25,739	17,077			
	Coalton No. 1.	78,468	51,922	200	88	238
	Harding No. 3.	37,817	26,463	85	60	313
Totals		188,492	129,273	520	105	197

PRODUCTION OF COKE FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Tons of Coal Used in Ovens (Tons of 2,000 lbs.)	Tons of Coke Produced (Tons of 2,000 lbs.)	No. of Coke Ovens Reported.	Average No. of Ovens Used per Plant.	Average Days Were Operated.
<i>Kanawha County.</i>						
Cannelton Coal Co.	Cannelton No. 2	19,939	12,124	90	90	115
Totals		19,939	12,124	90	90	115
<i>Raleigh County.</i>						
Raleigh C. & C. Co.	Raleigh Nos. 1, 2 & 4	745	497	60	5	80
Totals		745	497	60	5	80
<i>Mercer County.</i>						
Mill Creek C. & C. Co.	Coaldale	14,712	9,265	140	60	262
Buckeye C. & C. Co.	E. & W. Mill Creek & Tug River	57,886	36,183	215	125	262
Booth-Bowen C. & C. Co.	Buckeye	38,507	19,224	172	57	200
Pocahontas Consolidated Collieries Co., Inc.	Booth-Bowen	41,876	23,369	177	70	180
Louisville C. & C. Co.	Caswell Hemlock & Elk River	36,521	20,380	231	75	274
Crystal C. & C. Co.	Louisville & Goodwill	30,430	18,677	225	64	274
Crane Creek C. & C. Co.	Crystal	31,197	21,234	140	91	310
Pinnacle C. & C. Co.	Nos. 1 and 2	46,157	24,237	200	160	210
Thomas Coal Co.	Pinnacle, N. & S.	32,187	17,638	200	150	125
Totals	Thomas	43,231	29,300	146	125	250
		373,304	219,597	1,846	98	224
<i>McDowell County.</i>						
Algoma C. & C. Co.	Piney & Northfork	35,382	19,249	225	60	300
Elk Ridge C. & C. Co.	Elk Ridge	51,607	28,799	200	75	280
Gilliam C. & C. Co.	Gilliam	37,196	23,315	217	50	180
Indian Ridge C. & C. Co.	Indian Ridge	23,585	14,039	200	200	210
Roanoke C. & C. Co.	Roanoke	24,415	16,276	134	63	256
Arlington C. & C. Co.	Arlington	34,824	19,455	138	75	157
Greenbrier C. & C. Co.	Greenbrier	33,955	20,212	200	64	230
McDowell C. & C. Co.	McDowell	33,319	22,212	200	65	365
Ashland C. & C. Co.	Ashland & Monitor	20,990	12,494	410	75	130
Pocahontas Consolidated Collieries Co., Inc.	Lick Branch	17,650	43,140	158	140	280
"	Delta	29,210	16,300	120	75	180
"	Shamokin	43,618	24,340	389	175	180
"	Norfolk & Angle	203,370	113,490	514	350	216
Elkhorn C. & C. Co.	Elkhorn	43,603	33,025	170	95	330

New River & Pocahontas Cons. C. Co.	No. 1	46,852	27,888	200	100	200
United States C. & O. Co.	No. 1	177,940	84,996	350	296	311
" " " " "	No. 2	211,714	124,758	360	340	311
" " " " "	No. 3	148,222	83,967	300	250	311
" " " " "	No. 4	151,528	83,628	209	202	311
" " " " "	No. 5	62,659	36,055	102	87	87
" " " " "	No. 6	154,461	83,354	308	222	311
" " " " "	No. 7	228,201	142,521	380	352	311
" " " " "	No. 8	98,347	53,518	172	125	311
Page O. & C. Co.	Nos. 1, 2 and 3	63,752	38,148	500	111	111
Middle States O. & C. Co.	No. 11	28,532	17,965	150	65	287
The Tidewater O. & C. Co.	Tidewater	21,200	14,133	300	55	366
Bottom Creek O. & C. Co.	Bottom Creek	36,197	23,911	250	72	310
Peerless O. & C. Co.	Peerless	29,515	22,485	254	80	208
The Empire O. & C. Co.	Empire	41,610	33,117	250	100	365
Shawnee O. & C. Co.	Shawnee	36,156	20,113	188	80	180
Eureka O. & C. Co.	Eureka	45,320	27,050	200	100	365
Pulaski Iron Co.	Pulaski, Nos. 1 and 2	165,080	92,121	301	220	301
Keystone O. & C. Co.	Keystone, Nos. 1 and 2	37,652	20,696	219	58	312
Lynchburg C. & C. Co.	Lynchburg	54,432	30,450	213	100	365
Powhatan C. & C. Co.	Powhatan	54,888	34,304	225	100	227
Upland O. & C. Co.	No. 1	56,196	33,326	232	100	313
Houston O. & C. Co.	Nos. 1 and 2	87,394	54,933	280	200	280
Crozer O. & C. Co.	Nos. 1 and 2	78,428	47,858	354	175	365
Turkey Gap O. & C. Co.	Turkey Gap	82,131	45,832	240	240	150
Totals	.....	2,891,741	1,681,884	9,691	139	275

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Mines Pro- ducing Coal.	Avg. No. of Days Mines were (operated).	Number of Oper- ated Plants of Coke	Avg. No. of Days Ovens were (operated).	Employees.				Total.	Coke Workers.	Total.	Sum Total.
					Pick Miners.	Machine Miners.	Machine Runners & Helpers.	Labo- rers.				
Brooke.....	6	237	...	...	136	394	64	89	673	85	758	
Hancock.....	3	285	...	...	18	44	8	25	95	15	110	
Marion.....	12	207	6	192	900	903	240	804	2,917	582	3,397	
Marshall.....	9	190	...	...	76	280	44	87	487	71	558	
Ohio.....	9	220	...	...	73	103	14	43	233	31	264	
Harrison.....	56	181	1	32	827	1,205	314	880	3,226	587	3,819	
Lewis.....	184	184	...	...	6	20	6	6	38	10	48	
Upshur.....	4	248	1	64	6	16	10	20	111	14	139	
Barbour.....	17	221	4	188	283	289	69	248	889	136	1,088	
Monongalia.....	8	203	3	197	218	85	20	101	424	54	570	
Preston.....	19	175	6	224	617	422	91	319	1,449	152	2,92	
Taylor.....	10	214	...	...	292	84	12	90	478	100	1,741	
Grant.....	3	254	...	...	106	130	34	82	352	47	578	
Mineral.....	19	197	...	...	599	36	6	112	753	127	399	
Randolph.....	8	195	3	197	450	...	...	92	542	168	880	
Tucker.....	14	227	4	315	761	33	6	292	1,092	148	1,389	
Braxton.....	1	229	...	...	77	...	...	15	92	8	100	
Gilmer.....	1	162	...	...	25	...	...	3	28	3	31	
Mason.....	7	137	...	...	151	85	24	57	317	39	336	
Putnam.....	10	275	...	...	613	...	...	141	754	76	830	
Clay.....	4	177	...	...	60	17	4	27	108	23	131	
Fayette.....	138	206	24	209	5,711	1,716	398	2,585	10,410	1,430	12,505	
Kanawha.....	115	183	1	115	1,269	2,702	640	1,494	6,105	877	7,000	
Nicholas.....	8	132	...	...	69	71	16	31	187	26	213	
Greenbrier.....	284	...	...	...	25	...	...	13	38	5	43	
Raleigh.....	36	201	1	80	1,226	183	56	518	1,963	279	2,274	
Mercer.....	27	231	10	224	1,300	38	17	659	2,014	394	2,799	
McDowell.....	97	234	39	275	5,291	1,201	187	3,020	9,669	1,439	13,226	
Wyoming.....	1	233	...	...	2	...	...	2	4	...	4	
Lincoln.....	3	163	...	...	29	40	14	15	98	10	108	
Logan.....	22	198	...	...	26	913	155	355	1,349	325	1,677	
Mingo.....	37	224	...	...	412	717	291	536	1,956	390	2,346	
Wayne.....	1	237	...	...	45	...	...	12	57	4	61	
Totals.....	721	211	103	216	21,728	11,627	2,750	12,833	48,908	7,555	11,459	60,397
Totals for 1907.....	674	234	103	257	19,287	9,734	2,514	12,012	44,147	7,809	12,118	56,265

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.										Sum Total	Ave. No. of Days Mines were Op-erated.	Ave. No. of Days Ovens were Op-erated.	Ave. No. Ovens in Operation.	No. of Horses In-side.	
		Inside.					Outside.										
		Pick Miners.	Machine Miners.	Machine Runners and Help-ers.	Labo-rers.	Total.	Labo-rers.	Coke Workers.	Total.								
Brooke County.	A. Gilchrist & Sons' Co.	50	60	6	5	55	7	7	7	62	222	...	...	...	6		
	La Belle Coal Co.	3	60	6	9	78	10	...	10	88	...	...	...	2			
	Beech Bottom O. Co.	28	52	6	12	98	8	...	8	106	213	...	...	12			
	Lewis-Findley O. Co.	45	127	20	30	222	37	...	37	259	260	...	...	...
	La Belle Iron Works	...	90	20	19	129	11	...	11	140	274	...	...	...
	Rex Carbon Coal Co.	...	65	12	14	91	12	...	12	103	178	...	...	...
Totals		126	394	64	89	673	85	...	85	758	237	...	...	...	31		
Hancock County.	M. M. Cullen	5	...	...	4	9	4	...	4	13	200	...	...	...	...	...
	The Marquet Coal Co.	3	44	8	16	71	10	...	10	81	298	...	...	...	...	...
	No. 5	10	...	...	5	15	1	...	1	16	280	...	...	...	...	...
Totals		18	44	8	25	95	15	...	15	110	285	...	...	...	...	...
Marion County.	Fairmont Coal Co.	25	15	6	19	65	13	...	13	78	198	...	...	...	...	...	10
	Montana	48	52	12	45	157	46	...	46	231	214	...	...	...	...	...	18
	Shaft	45	80	12	85	222	47	...	28	269	167	...	...	...	...	...	26
	New England	35	60	20	75	190	80	...	80	270	172	...	...	...	...	...	20
	Gaston	38	40	12	37	127	29	...	29	156	166	...	...	...	...	...	23
	Monongah No. 2	45	25	4	32	106	65	...	65	171	214	...	...	...	...	...	10
	No. 6	30	65	10	60	165	25	...	8	198	248	...	...	...	...	...	16
	No. 8	25	15	14	55	109	31	...	15	155	251	...	...	...	...	...	12
	Shaver	1	65	8	29	104	12	...	12	116	214	...	...	...	...	...	9
	Pennols	70	...	...	33	103	17	...	...	120	205	...	...	...	...	...	18
	Nichols Farm	1	...	...	...	1	...	...	...	1	150	...	...	...	...	...	1
	Anderson	60	20	4	50	134	23	...	23	157	190	...	...	...	...	...	13
	Highland	65	30	4	47	146	30	...	30	176	164	...	...	...	...	...	21
	Middleton	27	40	10	20	97	19	...	19	116	186	...	...	...	...	...	15
	Chiefton	36	46	10	41	133	23	...	23	156	182	...	...	...	...	...	24
	Hutchinson	2	27	6	19	54	18	...	18	72	215	...	...	...	...	...	8
	George's Creek Coal & Iron Co.	100	135	44	35	314	22	...	20	356	285	...	...	...	...	...	32
	New Central Coal Co.	4	60	30	32	126	20	...	20	146	232	...	...	...	...	...	13

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.		Employees										Sum Total.	Avg. No. of Days Mines were Operated.	Avg. No. of Days Ovens were Operated.	Avg. No. Ovens in Operation per Plant.	No. of Horses and Mules Inside.
NAME OF MINE.		Inside.					Outside.									
		Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total.							
<i>Marion County—Cont'd.</i>																
Federal.....	Federal.....	15	75	34	70	194	20	12	32	250	40	20				
The Virginia & Pittsburgh C. & C. Co.	Kingmont.....	155			30	185	12	15	27	300	67	20				
Parker Run Coal & C. Co.	Parker Run.....		35	6	10	51	7		7			1				
Harry B. Coal Co.	Harry Nos. 1 & 2.....	30			10	40	3		3	220		4				
Kilgarn Coal & C. Co.	Kilgarn No. 1.....	6	17	4	23	50	13		13	122		5				
Pittsburg Steam Coal Co.	Kilgarn No. 2.....	27			5	32	22		34	125		1				
Calawba Coal Co.	Elizabeth.....	4			1	5	3		8	12						
	Calawba.....	6			1	7	2		9	14						
Totals.....		900	903	250	864	2,917	582	98	680	192	57	348				
<i>Marshall County.</i>																
Hitchman.....	Hitchman.....		170	24	30	224	25		25	216		16				
Boggs Run M. & M'g Co.	Boggs Run.....	40			12	52	8		8	190		5				
Whitaker Steel & Iron Co.	Benwood Mill.....	10	54	6	15	85	11		11	172		3				
Glendale Coal Co.	Glendale.....		30	8	15	53	12		12	165		7				
Mound Coal Co.	Mound.....	6	15	4	8	33	4		4	211		4				
Panama C. M. Co.	Panama.....	20			4	24	4		4	28		4				
Bituminous C. Co. of America.	Bituminous No. 1.....		11	2	3	16	6		6	150						
Totals.....		76	280	41	87	487	71		71	196		39				
<i>Ohio County.</i>																
Richland Coal Co.	Richland.....		65	10	18	93	12		12	217		7				
Elm Grove Coal Co.	Elm Grove.....	6	38	4	7	55	4		4			4				
Wheeling Steam C. Co.	Wheeling Steam.....	20			4	24	4		4	228		2				
Whitaker Glasser Co.	Carter.....	20			6	26	5		5	170		5				
Reynolds Brewing Co.	Manchester.....	7			3	10	1		1	250		1				
Jochum & Co.	Central.....	2				2	2		2	310		3				
J. S. Creighton.....	Creighton.....	6				6	2		2	234		1				
Peter Storch & Sons.	Storch.....	4			5	4	1		1	215		3				
La Belle Iron Works.	La Belle Drift.....	8				13										
Totals.....		73	103	14	43	233	31		31	220		25				

Harrison County

Clarkburg Fuel Co.	Fall Run	2	25	%	18	53	11	11	64	169	8
" "	Pinnicknick	48	82	8	43	181	36	36	217	187	21
" "	O'Neil	10	40	16	20	76	18	18	94	153	16
" "	Pixie	15	31	7	4	14	13	1	15	114	2
" "	Two Lick	3	20	12	16	67	13	13	80	163	8
" "	Interstate	6	12	12	16	51	14	1	65	207	13
Fairmont Coal Co.	Despard	48	69	20	46	183	29	29	19	10	2
" "	Enterprise	10	32	8	25	75	12	12	212	150	23
" "	Vitrop	3	30	6	16	55	15	15	87	132	11
" "	Riverdale	12	38	10	23	103	17	17	70	181	17
" "	Ehlen	10	48	10	22	90	17	17	120	164	12
" "	Solon	8	50	22	40	120	38	38	107	160	9
" "	Gypsy	13	34	6	10	63	15	15	158	174	13
" "	Meadowbrook	3	14	4	16	35	11	11	78	163	9
" "	Globe	7	27	8	16	58	14	14	46	150	4
" "	Deanham	30	30	12	108	180	20	20	72	170	9
" "	Ocean	28	50	10	30	98	23	23	200	175	15
" "	Columbia	15	10	2	7	19	6	6	121	185	13
" "	Robinson Run	15	7	2	5	22	5	5	25	153	2
" "	Reynoldsville	5	7	2	5	19	3	3	27	201	5
" "	Lynch	17	30	8	20	83	10	10	22	193	5
" "	West Fork	25	10	8	20	83	10	10	24	198	3
Pittsburg & Fairmont Fuel Co.	Perry	10	20	4	8	42	7	7	49	178	12
" "	Coaling Station	12	33	8	15	68	14	14	82	175	9
" "	Pooz	5	30	8	14	57	7	7	64	180	10
" "	Lucas	14	35	10	15	70	13	13	21	150	9
Virginia-Maryland O. Corporation	Willard No. 1	6	50	8	20	88	12	12	9	109	2
" "	Girard No. 1	10	20	2	4	26	25	25	100	275	8
" "	No. 2 at Girard No. 1	12	43	4	13	72	6	6	26	250	3
" "	Harold	25	30	5	30	60	6	6	80	265	5
" "	Moore	12	43	4	13	72	6	6	36	201	5
" "	Central Fairmont C. Co	25	30	5	30	60	6	6	4	47	3
" "	Vincent Coal Co.	40	35	10	15	70	13	13	83	210	8
" "	Meadow Brook C. & O. Co	10	35	10	15	70	13	13	3	3	8
" "	Erle	10	35	10	15	70	13	13	3	3	8
" "	Overholt	14	17	2	2	16	1	1	17	72	1
" "	Hero C. & O. Co	10	17	2	4	23	6	6	13	50	1
" "	Blue Ridge C. Co	10	17	2	4	23	6	6	23	239	1
" "	Rosebud C. Co	15	14	4	6	24	6	6	30	45	4
" "	Monroe Colliery Co	15	14	4	6	24	6	6	30	45	4
" "	National Coal Co	12	14	4	6	24	6	6	21	248	3
" "	Fayette	45	59	7	35	105	15	15	20	75	3
" "	Girard No. 2	80	190	25	105	190	15	15	66	250	8
" "	Short Line Coal Co.	25	45	18	35	30	4	4	120	190	12
" "	Fairmont & Baltimore C. & C. Co.	30	45	18	35	30	4	4	34	152	3
" "	Goff	5	60	12	34	111	22	22	149	125	21
" "	Waldo	7	4	1	1	4	4	4	133	183	9
" "	N. Chiefatin & Randolph	3	40	12	15	77	11	11	13	160	1
" "	Miller No. 1	10	40	12	15	77	11	11	8	140	1
" "	No. 2	10	40	12	15	77	11	11	8	140	1
Washington Fuel Co.	O'Gara	10	40	12	15	77	11	11	88	201	8
O'Gara Coal M. Co.	O'Gara	10	40	12	15	77	11	11	88	201	8

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.		NAME OF MINE.		EMPLOYEES.										No. of Horses in- side.				
				Inside.					Outside.									
				Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total.	SUM TOTAL.	Avg. No. of Days Mines Were Op-erated.		Avg. No. Days Ovens Were Op-erated.	Avg. No. Ovens in Operation per Plant.		
<i>Harrison County—Cont'd.</i>																		
Douglas-Rauch C. & C. Co.	Phoenix		20	6	38	64	8		8	72	200			5				
Pitcairn Coal Co.	Pitcairn	22	40	6	22	90	18		18	108	186			11				
Marshall Coal Co.	Marshall	35	40	14	20	109	14		14	123	229			16				
Cook & Hart Coal Co.	Cork	20			5	25	4		4	29	210			3				
Hutchinson Fuel & Supply Co.	Hutchinson, Nos. 1 & 2	12	38	16	17	73	11		11	81	231			8				
Jane Lew Coal & Coke Co.	Fulmer No. 1	20	3	1	4	28	6		6	40		32	20	3				
Totals.		827	1,205	314	880	3,226	587	6	593	3,819	181	32	20	409				
<i>Lewis County.</i>																		
Jacksonville C. & C. Co.	Sarah B No. 3.	6	20	6	6	38	10		10	48	184			4				
Totals.		6	20	6	6	38	10		10	48	184			4				
<i>Upshur County.</i>																		
Red Rock Fuel Co.	Red Rock, Nos. 1 and 2	10	16	10	13	49	9		9	58	206			3				
Newcomer Coal Co.	Newcomer	20			4	34	2		2	36				3				
Buckhannon River C. Co.	Florence,	25			3	28	3		14	45	165	64	30	2				
Totals.		65	16	10	20	111	14	14	28	139	248	64	30	5				
<i>Barbour County.</i>																		
Phillippi Collieries Co.	Meriden, Nos. 1, 2, 3, 4 & 5		40	6	20	66	20	10	30	96	195	50	50	9				
Tygart's River C. Co.	Arden	6	30	4	8	48	7		7	55	180			6				
Fairmont C. Co.	Berryburg	23	92	25	93	234	45		45	279	180			30				
Laurel Creek C. Co.	Laurel Creek	15			5	20	2		2	22	213			5				
The Century C. Co. of W. Va.	Century No. 1	84	75	19	55	233	29		29	262	270			26				
	Century No. 2	21			5	26	2		2	28	303			4				
Grafton Fuel Co.	Lillian No. 1.		12	8	6	26	2		2	28	288			5				
	No. 2.	14			3	17	3		3	20	288			5				
Pennsylvania C. M. Co.	Adma.	10			4	14	2		2	16				3				
Davis C. & C. Co.	Weaver No. 3.	40			10	50	5		5	55				5				
Miller Coal & C. Co.	Sara	10	10	2	5	27	4		4	38			25	3				

Davis Colliery Co.	Junior No. 4	14	74	9	12	21	85	161	250	32	16
Midland C. & O. Co.	Midland	20	54	6	34	40	94	234	270	50	6
Totals		69	248	136	63	199	1,088	221	188	42	122
Monongalia County											
Opekiska Coal & Coke Co.	Opekiska	10	40	2	5	7	47			19	10
Fairmont Coal Co.	Beechwood	3	13	58	10	10	68	175			8
Elkins Coal & C. Co.	Richard	6	17	169	10	52	161	163	163	150	
	Sabraton	5	30	80	9	9	89				
Connellsville Basin Coke Co.	Nos. 2, 3 and 4	30	130	20	45	65	195	248	248	100	6
The Great Scott C. & C. Co.	Great Scott No. 1	1	7	3		3	10	250			2
Totals		20	101	124	54	92	146	570	203	197	26
Preston County											
The Austen C. & C. Co.	Austen No. 1	6	18	109	5	5	114	150			12
The Austen C. & C. Co.	Austen No. 2	6	14	90	3	33	125	130	300	100	7
Hamilton C. & C. Co.	Newburg Shaft	8	10	68	5	5	73	125			12
Gorman C. & C. Co.	Gorman No. 2	6	11	54	5	12	71	198	47	40	6
	West End No. 1	2	2	18	1	19	153				2
Irona Coal Co.	Irona Nos. 1 & 2	10	19	91	9	9	100	205			14
Merchants Coal Co.	Tunnelton No. 1	35	8	43	3	3	46	199	6		6
	Merchants No. 2	16	80	261	25	25	286	421			18
Oakland C. & C. Co.	Gorinth	5	15	45	8	20	73	175	60	50	15
Kingwood Coal Co.	Howesville	25	24	160	10	10	110				6
Hite Coal Co.	Dixie	28	8	56	3	3	39	108	75	35	14
Orr C. & C. Co.	Viucan	12	20	92	6	15	21	113	210		7
Manufacturers C. & C. Co.	Victoria No. 2	8	11	61	10	10	71				14
Atlantic C. & C. Co.	Atlantic	78	23	124	25	25	119	138			
Elkins C. & C. Co.	Bretz	20	30	131	17	53	201	311	365	206	
	Kingwood (2)	8	17	76	12	12	88	227			2
	Mason town	4	6	22	4	4	26	298			3
Preston County Coke Co.	Cascade	25	3	28	1	10	11	39	92	46	
Totals		91	519	1,449	152	149	292	1,741	224	127	132
Taylor County											
Grafton C. & C. Co.	Sandlick	45	10	55	10	10	65	257			7
Pittsvein Coal Co.	Flemington	40	18	80	25	25	105	150			3
L. B. Brydon	Brydon	6	2	8	2	2	10	200			17
T. B. Davis	T. B. Davis	35	10	45	10	10	55	270			15
McGraw Coal Co.	New York No. 1	60	18	78	15	13	49				5
Rosemont Coal Co.	Rosemont	85	14	99	11	11	110	226			11
Maryland C. Co.	Wendel	5	43	62	19	19	81	132			4
Winona Coal & C. Co.	Winona No. 1	15	7	26	6	6	6	32	308		4
The Cecil C. & C. Co.	Cecil	6	1	8	2	2	2	10			1
Harrison Coal Co.	Harrison	16	1	17	2	2	19				72
Totals		292	84	478	100	100	578	214			

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.						Ave. No. of Days Mines were operated.	Ave. No. Ovens (operated).	Ave. No. Ovens in Operation Per Plant.	No. of Horses & Mules Inside.
		Inside.			Outside.						
		Pick Miners.	Machine Miners.	Machine Runners.	Helpers.	Laborers.	Total.				
<i>Grant County.</i>											
Davis C. & C. Co.	Henry No. 22	90	130	34	70	234	40	40	272	24	24
Buffalo Creek Cumberland C. Co.	Buffalo Creek	16	10	100	5	18	2	5	105	12	12
Cottage Street C. Co.	Cottage Street				6	18	2	2	20	33	33
Totals...		106	130	34	82	352	47	47	399	254	38
<i>Mineral County.</i>											
Davis Coal & Coke Co.	No. 6	36			5	41	3	3	44	300	9
" " " "	Wabash No. 9	96			15	111	14	14	125	207	17
" " " "	Tyson No. 10	13			3	16	5	5	21	91	3
" " " "	Kittanning No. 15	31			5	36	5	5	41	232	7
" " " "	" " " "	3			1	4	1	1	5	52	1
" " " "	Ott No. 20	27			8	35	8	8	43	198	13
" " " "	Montgomery Run No. 19	21			8	29	10	10	36	110	5
" " " "	No. 50	32			8	40	12	12	52	201	4
" " " "	No. 51	45			8	53	4	4	57	186	4
Abrams Creek C. & C. Co.	Oakmont	10	26	4	8	48	6	6	54	257	4
Piedmont Brick & Coal Co.	Karr	28			2	11	4	4	15	145	3
Piedmont & Patomac C. Co.	Virginia	51			3	31	3	3	34	214	8
Masteller Coal Co.	Hampshire	50			7	58	5	5	63	167	5
Smith Coal Co.	New Creek	40			4	54	4	4	58	167	5
Gleason C. & C. Co.	Smith	40			7	47	8	8	55	200	6
The Big Vein C. Co. of W. Va.	Gleason No. 2	32	10	2	8	60	8	8	68	220	3
Denman Coal Co.	Big Vein & 4 Ft.	20			6	38	23	23	61	150	5
Glade Run C. & C. Co.	Denman No. 3	15			6	21	2	2	22	121	2
Sarah	Sarah	15			6	21	5	5	26	140	2
Totals...		599	36	6	112	753	127	127	880	197	164
<i>Randolph County.</i>											
Davis Coal & Coke Co.	Weaver No. 1	85			17	102	10	10	197	211	151
" " " "	" " " "	60			14	74	7	7	81	209	8
" " " "	Leiter No. 5	8			3	11	4	4	15	128	3
Davis Colliery Co.	Coalton No. 1	178			35	213	24	24	267	184	238
" " " "	Sivard No. 2	22			7	24	4	4	28	166	18

Davis Colliery Co.	Harding No. 3	82	.....	17	99	16	20	36	135	214	313	60	12
W. H. Green, Lessee	West Harding No. 5	6	.....	1	7	1	.....	1	8	208	.....	.....	2
Totals	Klondyke	9	.....	3	12	2	.....	2	14	150	.....	.....	2
		450	.....	92	542	68	135	203	745	195	197	105	57
<i>Tucker County.</i>													
Cumberland C. Co.	No. 1	15	.....	5	20	.....	.....	.....	20	232	.....	.....	2
Davis Coal & Coke Co.	Nos. 3, 4 & 5	51	.....	38	128	40	20	60	188	250	219	82	20
Davis Coal & Coke Co.	Thos. No. 23 & P'd Run	160	.....	50	210	17	.....	17	227	229	.....	.....	18
Davis Coal & Coke Co.	Thomas No. 25	145	.....	40	185	16	.....	16	201	204	.....	.....	12
	Coketon No. 26	52	.....	9	61	6	.....	6	67	210	.....	.....	.....
	Thomas No. 34	60	.....	40	100	13	48	61	161	227	251	93	15
	Coketon No. 35	33	.....	16	49	8	.....	8	57	229	.....	.....	.....
	No. 36	125	.....	45	170	14	48	62	232	229	365	150	.....
	No. 37	63	.....	35	98	12	53	45	143	228	365	130	.....
Beacon C. & O. Co.	No. 37	55	.....	13	68	22	.....	22	90	247	.....	.....	2
Gatzmer C. & O. Co.	Beacon	2	.....	1	3	.....	.....	.....	3	.....	.....	.....	1
Totals	Gatzmer No. 1	761	33	292	1,092	148	149	297	1,389	227	315	119	35
<i>Braxton County.</i>													
Davis Colliery Co.	Bower No. 10	54	.....	9	63	5	.....	5	68	224	.....	.....	9
Totals	Copen No. 11	23	.....	6	29	3	.....	3	32	243	.....	.....	2
		77	.....	15	92	8	.....	8	100	229	.....	.....	11
<i>Gilmer County.</i>													
Cosmopolitan C. & O. Co.	Gilmer No. 1	25	.....	3	28	3	.....	3	31	162	.....	.....	2
Totals		25	.....	3	28	3	.....	3	31	162	.....	.....	2
<i>Mason County.</i>													
Mason City C. M. Co.	Klondyke & Linden	46	.....	7	53	7	.....	7	60	175	.....	.....	10
Consumers C. & M. Co.	Camden	.....	.....	25	110	14	.....	14	124	.....	.....	.....	15
Beech Grove C. Co.	Beech Grove	35	65	7	42	6	6	6	43	48	.....	.....	7
The Liverpool Salt & C. Co.	Jackson	30	.....	8	38	5	5	5	4	230	.....	.....	5
Hartford Coal & M. Co.	Hartford	.....	20	2	26	4	4	4	30	160	.....	.....	7
Dixie Coal Works	Dixie	40	.....	8	48	3	.....	3	51	80	.....	.....	6
Totals		151	85	57	317	39	.....	39	356	157	.....	.....	50
<i>Putnam County.</i>													
Plymouth C. & M. Co.	Plymouth	25	.....	3	28	2	.....	2	30	283	.....	.....	2
" " "	Manilla	91	.....	14	105	8	.....	8	113	283	.....	.....	10
" " "	California	90	.....	11	101	8	.....	8	109	283	.....	.....	10
Alpha Coal M. Co.	Alpha	12	.....	3	15	3	.....	3	18	290	.....	.....	5
The Otto Marnet C. & M. Co.	Big Otto Nos. 1, 2 & 3	225	.....	30	255	25	.....	25	280	296	.....	.....	25

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.						Ave. No. of Days Mines were Op-erated.	Ave. No. of Days (Ovens were Op-erated.	Ave. No. Ovens In Operation per plant.	No. of Horses In-side, and Mules In-		
		Inside.			Outside.								
		Pick Miners.	Machine Miners.	Machine Runners and Help-ers.	Labo-ers.	Total.	Labo-ers.					Coke Work-ers.	Total.
<i>Putnam County—Cont'd.</i>		150			75	225	25		250		20		
Black Betsey C. & M. Co.	Nos. 1 & 2	20			5	25	5		30		3		
Oak Forest C. & M. Co.	Oak Forest												
Totals		613			141	754	76		830		75		
<i>Clay County.</i>													
Dorfee O. M. Co.	Elk Manor.		17	4	9	30	10		40		14		
Elk River C. & Lumber Co.	Dundon	20			8	28	2		30		5		
Carter Coal Co.	Carter	20			4	24	6		30		4		
Kentucky C. & Lumber Co.	Scott	20			6	26	5		31		4		
Totals		60	17	4	27	108	23		131		27		
<i>Fayette County.</i>													
Sunday Creek Co.	No. 111		90	6	35	131	27	40	198	177	26		
"	No. 112		60	6	34	100	20		120	85	16		
"	No. 114	16	105	10	27	158	21	60	239	220	18		
"	No. 115		118	10	30	158	21	70	249	214	16		
The Columbus Iron & Steel Co.	No. 1	11	39	12	26	88	16	9	25	113	24		
Kanawha Gas Coal Co.	Kanawha Gas	55			25	80	15		204	260	10		
"	Eagle	4	7		5	18	2		95	215			
W. R. Johnson & Co.	Oakland	10	40	8	24	82	20		20	215			
Boomer C. & C. Co.	No. 1	5	110	12	38	165	12		12	177	14		
"	No. 2 North	90	70	8	50	218	20		238	239	25		
"	No. 2 South	65	60	8	42	175	28		240	240	20		
"	No. 3		126	14	45	185	20		205	157	14		
Paint Creek Collieries Co.	Hickory Camp	5	40	4	20	69	10		79	197	9		
Eureka Colliery Co.	Eureka No. 13	25	6		18	51	11		167	167	12		
"	No. 14	40			20	60	10		171	171	13		
W. R. Johnson	Eagle No. 1	20			20	60	10		44	210	5		
"	Splint Nos. 5 & 6	35			12	47	6		57	150	12		
The Carver Bros. Co.	Mecca No. 2	48	4	2	12	66	6		72		5		
"	No. 5	35			10	45	11		56	183	9		
"	No. 2	25			6	31	3		34	195	7		
"	No. 3	35			5	40	3		3				

The Carver Bros. Co.	No. 1	5	2	6	33	2	20	2	25	35	182	137	79	4
Eagle & California	30				30	5			25	55	182	137		
No. 5 Split	30			5	25	3			3	28	137			5
Diamond	30	40	6	12	88	10			10	98	258			
St. Clair Colliery Co.	35			10	45	7			32	77	210	81		
M. B. Coal & Coke Co.	25	15	8	20	68	10			10	78	134			14
Columbia	15	30	4	10	50	8			8	67	182			12
Elk Ridge No. 1	40	20	4	20	84	10			10	94	182			18
Elk Ridge No. 2	50	10	4	10	74	10			10	84	102			14
Vulcan	68	7	4	46	125	16			66	191	216	310	134	15
Brewster	8				10					10				
Digby	8	6	6	2	22	2			22	44	240	240	69	12
Edwards	15	6		2	28	16			16	44	240			12
Loup Creek Colliery Co.	212			25	237	43			107	344				30
Herbert Collieries	40			7	15	62			15	62				8
Fort Defiance	30			5	35	5			5	40	150			4
Lynchburg	60			15	75	10			10	85	180			15
No. 5 Split & No. 2 Gas	100			20	120	15			15	135	201			14
Deitz No. 2 Gas	25			5	30	5			5	35	90			4
Deitz No. 5 Split	25			7	32	5			5	37	125			5
Mill Creek	8			2	10	2			2	12	290			1
The Gauley Mountain C. Co.	75	75	20	100	270	40			95	365	210	200	75	52
Groft & Evans	15			3	18	3			3	21	200			2
Signal Knob	10			1	11	1			1	12	150			2
Gaymont	10			4	14	2			2	16	500			5
Sunbury C. & O. Co.	15	15	4	6	25	3			3	28	240			4
Sunnyside	30	10	2	12	54	6			6	60	189			5
Michigan	35			12	67	8			8	75	188			11
Manufacturers & Consumers C. Co.	30			12	67	8			8	75	188			10
Newlyn	35			12	67	8			8	75	188			10
Fayette	60			40	70	8			8	82	230	140	10	10
Brown	35	15	6	15	96	8			8	104	222			18
The Fayette C. & O. Co.	35	25	6	12	78	8			8	96	212			10
Nuttallburg	25			5	30	3			3	33	223			9
Keeneys Creek	100	10	6	20	136	10			10	146	240	50		11
Smokeless	40	20	6	15	81	5			5	85	200			5
No. 2	64			16	80	5			5	85	178			14
Balling No. 1	6			2	8	1			1	9	221			2
Balling No. 2	6			2	8	1			1	9	221			2
Dubree	7			12	44	9			9	53	167			15
Rothwell C. Co.	70	19	6	25	105	6			6	111	240			3
Blume	20	8	2	30	50	6			6	56	100			3
Lookout	20			5	25	4			4	29	200			3
Moseley & Walker	20			2										
No. 1	50	2	2		78	4			4	82	200			1
No. 2	50	10	6	12	78	4			4	82	200			1
No. 3	35	4	2	10	51	10			10	61	205			5
Pennsylvania & New River C. Co.	28			7	35	13			13	31	201	261	48	
Fire Creek Coal & O. Co.	65			20	85	10			10	95	290			12
Beury Brothers C. & O. Co.	15			4	19	6			6	25	215			15
Big Bend	75			40	115	10			10	125	275			9
Stone Cliff	60			12	72	6			6	84	152	45	23	5
No. 1	28			6	34	6			6	40	148			
No. 2	28			6	34	6			6	40	148			

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.					Sum Total.	Avg. No. of Days Mines were Op-erated.	Avg. No. Days Ovens were Op-erated.	Avg. No. Ovens In Operation per Plant.	No. of Horses In-side.						
		Inside.			Outside.												
		Pick Miners	Machine Miners.	Machine Runners and Helpers.	Labors.	Total.						Labors.	(Coke) Workers.	Total.			
<i>Fayette County—Cont'd.</i>																	
Alaska Coal & C. Co.	Alaska	24			7	31						38	182				8
Epbraim Creek C. & C. Co.	Buffalo	89	13		35	137						154	200				3
Ridgeview Coal Co.	Ridgeview	20			9	29						36	180				3
Export Coal Co.	Export	30			6	36						41	260				1
Laurel Creek C. Co.	Laurel	25			6	31						36	151				1
Glendale Colliery Co.	Glendale	52			6	58						64	199				6
Quinnimont Coal Co.	Big Q & Lick Branch	40			15	55						71	200	130	60		5
Greenwood Coal Co.	Greenwood	100			30	130						10					16
Hemlock Hollow C. & C. Co.	Hemlock	90			30	120						26					8
New River and Poca Cons. C. Co.	Layland	115			60	175						26					12
	No. 1	6			2	8						1	192				4
	No. 2	110	36	12	50	208						12	220				12
	No. 3	125	40	16	60	241						14	255				14
	No. 4	50	50	20	60	180						14	194	239			8
	No. 5	75	56	20	36	207						13	220	212			10
New River Valley C. Co.	Bachman	10			3	13						1	200				3
Marrs Branch C. Co.	Whitney	15			5	20						1	222				4
The Low Moor Iron Co. of Va.	Kay Moor No. 1	35	87	30	32	184						60	244	265	125		18
	No. 2	40			10	50						5	55	250			13
The Goshen Iron Co.	Elverton	50	10		32	98						18	132	254	143	51	20
South Side Company	South Side	60	6	2	12	80						8	88	173			9
The Thurmond C. Co.	No. 1 Concho	66			15	81						4	85	182			5
	No. 2 Erskine	36			10	46						4	50	196			5
The New River Collieries Co.	Conard	25			7	32						3	35	158			9
	Brooklyn	30	20		14	70						8	86	159	129	40	7
	Red Ash	50			23	73						12	85	226			18
	Rush Run	26	5	2	25	58						10	78	233	90	70	18
	Sun Nos. 1, 2 & 3	350			50	400						50	450	191			60
The Dungen C. Co.	Dungen Nos. 1 & 2	35	5	2	6	48						6	54				1
Newlyn Coal Co.	Newlyn	20			3	23						2	246				3
Meadow Fork C. Co.	Meadow Fork	25			3	28						5	33	230			4
The Star Coal & C. Co.	Star	51	25	4	35	121						15	136	171			20
Laura M. Co.	Laura	40	5	2	24	71						8	79	172			12
Nichol Colliery Co.	Nichol	80			20	100						6	106	192			13
McKell Coal & C. Co.	Derryhale	65	8	2	30	105						10	115	189			16

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.					Sum Total.	Avg. No. of Days Mines Were Operated.	Avg. No. Ovens Operated.	In Operation, Per Plant.	No. of Horses & Mules Inside.	
		Inside.			Outside.							
		Pick Miners.	Machine Miners.	Machine Runners & Helpers.	Laborers.	Total.						Laborers.	Coke Workers.	Total.
<i>Kanawha County—Cont'd.</i>												
Kellys Creek Colliery Co.	Nos. 3 & 3½	85	14	36	135	15		15	234		20	
Hughes Creek C. Co.	Hughes Nos. 2 & 3	33	16	35	172	17		17	185		20	
Cannelton Coal Co.	Cannelton No. 2	67	4	27	120	37	28	65	197	90	22	
The Marinet Coal Co.	Monarch Nos. 1 & 2.	2	22	15	89	10		10	99		16	
" "	Butler	30	6	10	50	5		5	216		18	
" "	No. 2	28	6	10	44	5		5	206		6	
" "	No. 5	24	6	8	38	5		5	43		4	
Olcott & Iron Co.	Olcott No. 1	6	30	10	54	5		5	123		4	
" "	No. 2	12	30	14	64	1		1	129		4	
Frank Ellison	Peerless	25	8	6	31	3		3	175		4	
Winifrede Coal Co.	Gas	5	1	1	6	2		2	8		2	
" "	South	32	4	36	101	16		16	222		11	
" "	North Pick & Machine	27	6	20	107	10		10	225		10	
" "	West.	34	4	25	82	5		5	214		8	
" "	Gas	25	4	8	37	3		3	223		16	
Dry Branch C. Co.	Belmont & Coalburg	80	60	18	82	21		21	182		11	
Coalburg Colliery Co.	Ronda	36	6	14	56	12		12	166		8	
Wyatt Coal Co.	Oakley	12	32	13	63	11		11	180		16	
" "	Berlin	32	6	14	63	11		11	168		11	
" "	North	51	6	14	71	8		8	168		11	
" "	South.	12	2	3	20	3		3	157		2	
Persinger Coal Co.	Wilton	3	6	1	9	1		1	10		2	
La Mont M. Co.	La Mont No. 1	35	4	10	49	1		1	61		5	
" "	Nos. 2 & 3.	45	8	6	59	4		4	63		5	
The Holley & Stephenson C. & C. Co.	No. 5	25	4	8	37	6		6	43		10	
" "	Wake Forest	4	40	8	58	8		8	66		8	
Carbon Coal Co.	North.	10	20	14	48	6		6	54		12	
" "	South.	5	65	10	110	6		6	116		12	
" "	No. 5 or Splint	35	6	20	61	6		6	179		8	
Republic Coal Co.	No. 1	35	6	14	55	7		7	62		10	
" "	No. 2	35	6	20	61	6		6	198		12	
" "	No. 3	25	6	12	43	5		5	48		12	
" "	No. 1	40	6	20	70	8		8	78		22	
West Virginia Colliery Co.	No. 2	19	4	11	34	8		8	220		12	

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.						Sum Total.	Ave. No. of Days Mines were (operated).	Ave. No. Ovens were (operated).	Per Plant.	No. of Horses & Mules Inside.	
		Inside.			Outside.								
		Pick Miners.	Machine Miners.	Machine Runners & Helpers.	Laborers.	Total.	Laborers.						(Coke) Workers.	Total.
McDowell County—Cont'd.	Pocahontas Cons. Co's., Inc.	200				85	285	50	80	130	415	150	140
	"	200				90	290	50	40	90	380	130	180
	"	200				75	275	40	100	140	415	180	175
	"	350				150	500	75	175	250	750	316	350
	"	20				8	28				28	180	8
	"	40				25	65	25		25	90	251	10
	Zenith O. & C. Co.	105				100	205	15	39	54	259	300	330
	Elkhorn O. & C. Co.		39			20	76	10		10	86	240	240
	Mohawk O. & C. Co.		25	12		15	52	3	30	33	85	250	250
	New River & Pocahontas Con. C. Co.		No. 1	23		12	45	3		3	48	250	200
	"		No. 1 ²	30		18	62	5		5	57	250	250
	"		No. 2	14		10	26	3		3	29	250	250
	"		No. 3	10	6	3	10	2		2	12	80	80
	"	War Creek	7				3	10	10		10	70	200
	Dry Fork M. & Vestment Co.		45				15	60	10		10	70	200
	Hall M. Co.		32				11	43	6		6	49	200
	Virginia Pocahontas C. Co.	No. 1	27				10	37	5		5	42	228
	"	No. 2 East & West	36				15	51	8		8	59	203
	"	Nos. 1 ² , 3 & 4	7				3	10	4		4	14	60
	"	No. 5	25				10	35	4		4	39	245
Vaughan C. & C. Co.	Vaughan	91				34	125	14		14	139	219	
Big Sandy C. & C. Co.	Big Sandy	113				35	148	13		13	161	201	
Marytown.	Marytown	50	150			50	250	9	275	9	259	275	
Twin Branch M. Co.	Twin Branch	30	90			30	150	5	5	5	155	260	
Maher Coal & C. Co.	Maher No. 1	10	30			10	50	2	2	2	52	260	
"	No. 2	100				25	125	4		4	129	265	
J. B. B. Collieries Co.	No. 1	60	180			60	300	8	8	8	308	270	
"	No. 2	16	48			16	80	5	5	5	85	265	
"	No. 3	14	42			14	70	4	4	4	74	230	
"	Nos. 4 & 5	79	15	2		20	116	4	4	4	125	160	
Superior Pocahontas C. Co.	Blackstone	40	20			10	72	3		3	75	157	
"	Davy Crockett	10	20	2		2	34	1		1	35	157	
"	Helena	24	22	6		8	75	32		32	107	235	
"	Nos. 1 & 2	22	15	10		20	63	25		25	68	210	
The Pando Coal Co.	Antler Nos. 3 & 4	6	30	7		10	63	25		25	88	200	
Atlas Pocahontas C. Co.	Imo & McClaren	20				10	30	5		5	35	240	
Oregon Coal Co.	Shick Rock												
Shick Rock C. Co.													

Jed Coal & C. Co.	45	60	12	15	60	26	123	26	86	210	311	296	10
United States O. & C. Co.	70	190	20	48	190	143	102	143	333	311	311	296	22
No. 1	140	35	8	55	185	25	63	25	322	311	311	311	20
No. 2	80	55	4	40	163	17	80	17	263	311	311	330	20
No. 3	65	35	6	24	130	8	55	63	193	311	311	202	12
No. 4	35	20	4	12	71	9	20	38	109	311	311	87	9
No. 5	140	20	4	28	168	19	65	84	252	311	311	222	20
No. 6	155	20	4	50	205	42	80	122	327	311	311	332	27
No. 7	80	20	4	22	102	8	51	55	161	311	311	125	14
No. 8	20	6	4	20	36	10	10	56	167	311	311	10	10
No. 9	20	20	6	12	46	24	24	24	60	175	311	7	7
No. 10	25	25	6	75	51	20	24	20	71	105	311	23	23
Nos. 1, 2 & 3	12	16	6	6	195	24	41	65	260	311	311	111	7
Welch	14	8	4	4	30	3	5	5	39	240	311	7	3
Hemphill Colliery Co.	13	8	4	18	81	21	30	51	332	208	311	65	8
Middle States C. & O. Co.	20	55	7	20	47	55	3	55	102	265	311	1	1
Dixon Pocahontas Fuel Co.	3	3	2	3	8	3	3	3	11	265	311	8	1
North Side	30	11	4	11	41	8	4	4	49	240	311	7	4
Circuit No. 1	5	11	7	2	158	23	4	23	181	245	311	1	1
Virginia	46	8	4	100	183	19	25	44	227	265	366	55	16
King Coal Co.	80	12	2	89	139	30	30	25	214	218	311	21	21
The Tidewater	80	8	1	70	118	15	40	55	173	274	308	80	18
Bottom Creek	67	110	110	51	139	30	30	90	320	270	365	100	30
Peerless C. & O. Co.	110	110	110	120	210	30	30	90	320	270	365	100	30
The Empire C. & O. Co.	70	110	110	40	210	30	30	90	320	270	365	100	30
Shawnee C. & O. Co.	85	130	130	90	175	15	32	47	222	230	365	100	22
Eureka C. & O. Co.	130	130	130	84	214	62	85	147	363	357	301	220	20
Pulaski Iron Co.	87	130	130	85	172	29	28	57	329	312	312	38	28
Keystone Nos. 1 & 2	90	130	130	100	190	20	33	53	343	328	365	100	30
Lynchburg C. & O. Co.	70	130	130	100	190	20	33	53	343	328	365	100	30
Powhatan C. & O. Co.	100	5	4	30	109	25	43	70	179	146	227	100	24
Upland Coal & O. Co.	100	5	4	50	155	20	80	100	255	176	313	100	17
Houston Coal & O. Co.	150	115	115	45	160	15	60	75	235	240	280	200	26
Crozer Coal & O. Co.	225	75	75	75	300	50	150	150	450	300	365	175	38
Turkey Gap	225	75	75	75	300	50	150	150	450	300	365	175	38
Totals	5,261	1,201	187	3,020	9,669	1,439	2,118	3,557	13,236	234	275	139	1,070
Wyoming County													
William Tolliver	2			2	4				4	253			
Totals	2			2	4				4	253			
Lincoln County													
Branchland C. Co.	20	40	14	10	64	6	6	6	70	163		5	
Southern Fuel Co.	9			4	24	3	3	3	27	160			
Mitchell & Bates	9			1	10	1	1	1	11	75			
Totals	29	40	14	15	98	10	10	10	108	163			5

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Employees.							Ave. No. of Days Mines were Operated.	Ave. No. Ovens in Operation Per Plant.	No. of Horses & Mules Inside.
		Inside.			Outside.						
		Pick Miners.	Machine Miners.	Machine Runners & Helpers.	Laborers.	Total.	Laborers.	Coke Workers.				Totals.
<i>Logan County.</i>											
Prudential C. & M. Co.	Prudential Nos. 1 & 2	20	32	6	5	25	3	3	28	251	3
Stone Branch C. Co.	Big Creek	2	10	4	10	39	6	6	45	230	3
Draper C. & C. Co.	Draper	4	32	15	45	96	9	9	105	509	12
H. T. Wilson C. Co.	Fort Branch	15	8	4	25	48	32	32	80	337	5
Fort Branch C. Co.	Fort Branch	25	4	4	4	33	4	4	37	200	3
Price Coal Co.	Price	18	6	6	6	30	5	5	35	134	3
Rex Coal & Coke Co.	Rex	40	12	12	12	64	1	1	71	220	7
The Logan Coal Co.	Logan No. 1	25	16	10	8	49	8	8	57	220	7
Ethel Coal Co.	Ethel	58	24	10	40	108	28	28	136	196	10
The Monitor C. & C. Co.	Monitor & Beechwood	24	5	5	16	45	5	5	50	196	9
The Yuma C. & C. Co.	Yuma	35	4	4	28	50	14	14	64	246	9
The Gay Coal & C. Co.	Gay	14	133	16	7	46	5	5	51	185	15
Gora Coal & C. Co.	Gora	157	16	4	50	197	73	73	270	240	19
United States C. & O. Co.	Island Creek No. 1	47	49	4	40	213	80	80	293	190	2
" " " " " "	" " No. 2	12	4	4	14	67	16	16	83	207	2
" " " " " "	" " No. 3	15	15	15	15	60	15	15	75	161	2
" " " " " "	" " No. 4	24	8	8	24	79	2	2	81	154	4
" " " " " "	" " Nos. 5 & 6	813	155	355	1,349	328	328	328	1,677	198	112
Totals.....											
<i>Mingo County.</i>											
Pearl Coal M. Co.	Haggarty	5	15	5	9	34	6	6	40	200	3
Ajax Coal Co.	Ajax	10	10	10	12	12	6	6	18	160	1
The Walnut Hills C. & M. Co.	The Walnut Hill	25	16	16	32	5	5	5	37	175	4
Warfield Coal Co.	Warfield	10	16	8	41	7	7	7	48	145	4
Hatfield Colliery Co.	Hatfield	17	17	8	13	38	8	8	46	258	9
Chatтары Colliery Co.	Chatтары	50	12	12	2	64	15	15	79	258	11
The Buffalo Collieries Co.	Buffalo	15	15	12	18	45	15	15	60	275	12
Lingoheeken Coal Co.	Lingoheeken No. 1	20	10	10	10	60	20	20	80	280	7
Howard Colliery Co.	Howard	30	30	10	16	56	8	8	64	210	10
Whitfrede Cons. C. Co.	Sugar Tree	15	20	6	8	34	8	8	42	231	4
Williamson C. & C. Co.	Williamson No. 1	25	25	12	5	20	3	3	23	160	2
Williamson C. & C. Co.	Williamson No. 2	25	25	12	8	45	4	4	49	130	4

Rawl Coal & C. Co.	No. 1	10	6	3	19	1	1	20	250	4
Merrimac C. & O. Co.	No. 2	15	8	3	16	1	1	17	250	3
Commercial	Coaling Station	20	12	7	30	5	5	35	229	5
Marvin Coal Co.	Commercial	19	12	10	42	6	6	48	229	6
Red Jacket Cons. C. & O. Co., Inc.	Marvin	36	10	36	135	8	8	56	281	14
	Rutherford	6	2	6	24	2	2	26	236	3
	Logan	69	20	55	199	52	52	251	272	26
	Red Jacket	5	8	16	54	16	16	70	132	16
	Maritime	25	8	25	100	30	30	130	273	18
	Lick Fork	60	24	24	84	18	18	102	265	24
	Grapevine	3	4	5	12	4	4	16	163	3
Mate Creek C. Co.	Nos. 1 & 2	10	12	2	12	3	3	15	163	7
Lynn Coal & C. Co.	Lynn	35	12	6	63	6	6	69	200	16
Thacker Coal & C. Co.	No. 2	75	18	50	143	25	25	168	255	22
Thacker Fuel Co.	No. 3	9	16	12	46	12	12	58	227	8
Majestic Collieries Co.	No. 10	15	6	6	21	2	2	23	128	8
Glen Alum C. Co.	Cedar	25	10	25	80	10	10	90	231	18
No. 2	No. 1	20	14	20	54	10	10	64	231	12
War Eagle Coal Co.	Lappoose	35	12	26	73	26	26	99	200	17
	Mephisto	40	14	50	104	10	10	114	200	10
	Star	35	10	15	60	5	5	65	161	9
Margaret M. Co.	Margaret Nos. 1 & 2	30	14	12	56	12	12	68	195	16
Totals		412	717	536	1,956	390	390	2,346	224	330
Wayne County										
East Lynn Coal Co.	No. 1	45	12	12	57	4	4	61	237	8
Totals		45	12	12	57	4	4	61	237	8

NATIONALITIES EMPLOYED AND THEIR PERCENTAGE JUNE 30TH,
1908.

No.	NATIONALITY.	Total Number Employ- ed.	Percent- age of Total Nationalities Reported.	Percent- age of Total No. of Em- ployes.
1	American (White).....	23,979	46.312	39.645
2	Negro.....	11,370	21.766	18.633
3	Italian.....	6,046	11.677	9.996
4	Hungarian.....	3,668	7.084	6.064
5	Polish.....	1,901	3.672	3.143
6	Austrian.....	1,013	1.956	1.675
7	Russian.....	851	1.644	1.407
8	Slavish.....	620	1.197	1.025
9	Lithuanian.....	506	.977	.837
10	English.....	488	.943	.807
11	German.....	430	.831	.711
12	Irish.....	264	.510	.437
13	Litvitch.....	180	.348	.298
14	Greek.....	147	.284	.243
15	Welsh.....	118	.228	.195
16	Scotch.....	115	.222	.190
17	Swedish.....	69	.133	.113
18	Belgian.....	25	.048	.041
19	Danish.....	23	.044	.038
20	Syrian.....	20	.039	.033
21	Macedonian.....	13	.025	.022
22	French.....	11	.021	.018
23	Roumanian.....	8	.015	.013
24	Spanish.....	7	.014	.012
25	Bohemian.....	5	.010	.008
	Totals.....	51,777	100.000	.....
	Unknown.....	8,707	.....	14.396
	Grand Totals.....	60,484	.....	100.000

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, BY COUNTIES, FOR THE YEAR
ENDING JUNE 30TH, 1908.

COUNTY.	No of Mines (Operated)	No of Mines Reporting	Nationalities	Americans (White)	Negro	Italian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Ukrainian.	Greek.	Irish.	Slovakian.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees.	Total Outside Employees.	Total (Coke Employees.	Grand Totals.	
Brooke...			150	8	139	67			8	42	35								13	6	50	14						116	673	85		758		
Hancock...			59		3	22			22										17	15	57	6						5	98	12		110		
Marion...			1,630	128	834	253			88	251	45	2		170	1	33			21									10	9	3,101	575	40	3,716	
Marshall...			202		7	14				41	5	8																1		40	444	119	563	
Ohio...			102	12	684	286				42	4				26														67	233	31	264		
Harrison...			1,325	146					11	98	2	9	8		197	5	58		32	7	6	19						6	428	3,110	637	6	3,753	
Lewis...			36												6															32	10		42	
Upshur...			36	5	39	1				8																				36	111	14	125	
Barbour...			438	74	238	163			51	30	2	1	14		6				8			3							93	914	145	55	1,116	
Monongalia...			111	10	35	41			5	37	4								9										297	420	54	92	1,566	
Preston...			873	18	174	9			48	90	1	5	4		38				6			2							467	1,415	126	140	1,741	
Taylor...			249	13	58	20			6	22	1				13				15			1							137	481	97		578	
Grant...			86		38	9			2	35					65				15										105	352	127		389	
Mineral...			545	17	70	4			8	28	17	5							3			7							167	552	47		882	
Randolph...			271	6	339	10			15	48	2								10			5							12	522	68	135	1,355	
Tucker...			188	84	337				201	220	1	21	1		209				10			2							72	1,129	140	120	1,389	
Braxton...			30	2	29	17									4															18	92	8	100	
Gilmer...			28		1																									2	28	3	31	
Mason...			255																											43	269	36	305	
Purnam...			167	101																										562	754	76	830	
Clay...			89		2																									40	110	21	131	
Fayette...			5,107	3,062	962	404	13		40	305	38	200	10	38	5	205	1	132	31	40	23								1,663	10,540	1,542	533	12,615	
Kanawha...			4,459	654	139	110			5	85	6	8	5	33	33				72	7									1,208	6,182	862	28	7,072	
Nicholas...			211																											180	31		211	
Greenbrier...			25																											5	5		43	
Raleigh...			948	383	95	85			14	73	2	3	5	3	33				12	40	16	21	40	1	7				489	1,990	282	2	2,274	
Mercer...			776	341	341	206				12	1	4	8	3	11				24	1										467	1,943	470	314	2,727
McDowell...			3,241	5,237	1,080	1,544			2	142	3	15	5	29	333				43	1		54	2	41					1,457	9,609	1,504	2,116	13,229	
Wyoming...			4																															
Lincoln...			101	7																											98	10		108
Logan...			839	167	166	169			2	73	2	1	21	33					3	2										175	1,355	825		1,680
Mingo...			1,136	211	181	227				14	2			2					6			9	2	60						481	1,974	362		2,336
Wayne...			53	4																											57	4		61
Totals			23,979	11,270	6,046	3,668	13,506	1,901	69	488	23	118	1	1,012	25	851	5	430	115	180	147	264	620	20	7	8	11	8,757	49,073	7,828	3,583	60,484		

NATIONALITIES OF MINE EMPLOYEES SUMMARIZED—1908.

COUNTY.	Where Employed.	Americans, (White)	Negro.	Italian.	Hungarian.	Macedonian.	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scottish.	Greek.	Turk.	Slovak.	Syrian.	Spanish.	Romanian.	French.	Unknown.	Total Inside.	Total Outside of (Exclusive of Coke Yard).	Total Employees.	(Grand Totals.
Brooke	Inside	111	8	128	66	8	41	30	3	93	14	11	6	50	10	4	94	673	85	758	758	758	758	758	758	758	758	758	758
	Outside, Coke Yard	39	11	11	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Totals		150	8	139	67	8	42	35	3	93	14	13	6	50	14	4	116	673	85	758	758	758	758	758	758	758	758	758	758
Hancock	Inside	50	3	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	Outside, Coke Yard	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Totals		59	3	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
Marion	Inside	1,173	117	736	246	88	247	2	43	2	157	1	33	16	15	57	16	15	57	6	5,137	3	10	7	3,101	575	40	3,716	3,716
	Outside, Coke Yard	433	11	83	6	1	1	2	1	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals		1,606	128	834	253	88	251	2	45	2	170	1	33	17	15	57	17	15	57	6	6,147	3	10	9	3,101	575	40	3,716	3,716
Marshall	Inside	129	10	7	14	14	121	5	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Outside, Coke Yard	73	1	1	1	1	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals		202	10	7	14	14	141	5	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ohio	Inside	78	12	7	7	7	42	4	4	25	1	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	Outside, Coke Yard	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals		102	12	7	7	7	42	4	4	25	1	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Harrison	Inside	1,046	136	642	273	11	93	2	9	8	6	166	4	58	31	7	6	18	24	175	11	6	285	3,110	637	6	3,753	3,753	
	Outside, Coke Yard	479	20	36	13	6	5	1	1	2	31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals		1,525	146	684	286	11	98	2	9	8	8	197	5	58	32	7	6	19	24	179	15	6	428	3,110	637	6	3,753	3,753	

NATIONALITIES OF MINE EMPLOYEES SUMMARIZED, 1908.

COUNTY.	Where Employed.	Americans (White)	Negro.	Italian	Hungarian.	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Lithvich.	Greek.	Irish.	Slavian.	Spanish.	Romanian.	French.	Unknown.	Total Inside Employees.	Total (Exclusive of Coke Yard.)	Total Coke Yard.	Grand Totals.
Randolph	Inside	230	6	180	10	14	48	2	2	2	2	2	2	15	1	1	1	1	1	1	2	1	1	1	1	12	522	68	135	725
	Outside, Coke Yard	38		26		1																								
Totals		271	6	339	10	15	48	2	2	2	2	2	2	15	3	3	3	3	3	3	2	2	2	2	2	12	522	68	135	725
Tucker	Inside	145	73	185		188	198	21	21	21	21	21	200	9	10	10	10	10	10	10	30	1	1	1	1	71	1,129	140	120	
	Outside, Coke Yard	38	9	40		13	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Totals		188	84	337		201	220	1	21	21	21	21	209	4	10	10	10	10	10	10	38	1	1	1	1	72	1,129	140	120	1,389
Braxton	Inside	25	2	28	17								3	1												17	92	8		
	Outside, Coke Yard	5		1																										
Totals		30	2	29	17								4													18	92	8		100
Gilmer	Inside	25		1																						2	28	3		
	Outside, Coke Yard	3																												
Totals		28		1																						2	28	3		31
Mason	Inside	224	7																							28	269	36		
	Outside, Coke Yard	31																								5				
Totals		255	7																							43	269	36		305
Putnam	Inside	139	101																							514	754	76		
	Outside, Coke Yard	28																								48				
Totals		167	101																							562	754	76		830

NATIONALITIES OF MINE EMPLOYEES SUMMARIZED, 1908.

COUNTY	Where Employed.	Americans. (White)	Negro.	Italian	Hungarian	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Russian.	Bohemian.	German.	Scottish.	Czech.	Irish.	Slovak.	Spanish.	Romanian.	French.	Unknown.	Total Inside Employees.	Total Outside (Exclusive of Coke Yd.)	Total (Coke Yard.	Grand Totals.	
Wyoming	Inside.....	4																							4				
	Outside..... Coke Yard																												
Totals		4																							4			4	
Lincoln	Inside.....	91	7																						98	10			
	Outside..... Coke Yard	10																											
Totals		101	7																						98	10		108	
Logan	Inside.....	566	158	157	162	2	69	2		2			14 14 32			3	2		3	6			2	163	1,355				
	Outside..... Coke Yard	273	9	9	7		4					1	7						2					12		325			
Totals		839	167	166	169	2	73	2		2		1	21 14 33			3	2		5	6		2	175	1,355	325		1,680		
Mingo	Inside.....	881	188	173	214		14	7		7		2				4		9	2	60			420	1,974					
	Outside..... Coke Yard	255	23	8	13											2							61		362				
Totals		1,136	211	181	227		14	7		7		2				6		9	2	60			481	1,974	362		2,336		
Wayne	Inside.....	50	3					2		2															57				
	Outside..... Coke Yard	3	1																							4			
Totals		53	4					2		2															57	4		61	
Totals for State	Inside.....	18,747	8,204	4,821	3,322	5	492	1,769	66	46	23	115	900	24,841	5	385	112	180	117	241	400	19	7	7,588	49,073				
	Outside..... Coke Yard	4,852	1,401	569	103		14	67	3	19	3		67	1	10	41	1		9	22	11	1		944		7,828			
		380	1,955	656	243	8		65	1				46			2	2		21	1	8			175		3,583			
Grand Totals.....		23,599	11,270	6,046	3,668	13	506	1,901	69	488	23	118	1,013	25,831	5	430	115	180	147	264	620	20	7	8,711	8,707	49,073	7,828	3,583	60,484

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed	American (White)	Negro	Italian	Hungarian	Macedonian	Lithuanian	Polish	Swedish	Danish	Welsh	Austrian	Belgian	Russian	Bohemian	German	Scotch	Lithuanian	Greek	Irish	Slavish	Syrian	Spanish	Romanian	French	Unknown	Total Inside Employees.	Total Outside (Exclusive of Coke Yd.	Total Coke Employees	Grand Totals.
Brooke County. A. Gilchrist & Sons' Co.	Gilchrist	Inside	23	1	25			3									1											55	7		
		Outside	7																												
		Coke Yard																													
		Inside	22	3	39									1														78	10		62
LaBelleCoalCo.	Lewis No. 1	Inside																													
		Outside																													
Bottom Beech Coal Co.	Beech Bottom No 1	Coke Yard																													
		Inside	4	4	3	10	8						22															98			88
Lewis Findley Coal Co.	Locust Grove	Outside	4																												
		Coke Yard																													
		Inside	32		62	56	8	12	4				20					4			10							222	8		106
		Outside	18		8													2			4										
La Belle Iron Works.	LaBelle Shaft	Coke Yard																													
		Inside	20										3					6	6	50							129	11		259	
Rex Carbon Coal Co.	Rex No. 1	Outside																													
		Coke Yard																													
Totals		Inside	150	8	139	67	8	42	35	3	93	14	13	6	50	14											116	673	85		758
		Outside	9																												
Hancock Co. M.M.Cullen.	Porter No 1	Coke Yard	4																												
		Inside																													
The Marquet Coal Co.	No. 4	Outside	27																												
		Coke Yard	4		3	22																					3	74	7		13
do	No. 5	Inside	14																												
		Outside	1																												
Totals		Coke Yard																													
		Inside	50		3	22		23																			3	98	12		110

Ipsix Coal & Coke Co.	Inside ..	21	8	46	33	8	1	45	1	1	25	180	14	29	232
	Coke-tion No. 36 Outside..	6	3	5	25	4	1	27	1	1	26	108	12	23	143
do	Inside ..	3	10	13	25	4	5	40	5	13	17	17	13	90	90
	Coke-tion No. 35 Outside..	5	2	23	18	18	5	9	3	3	3	3	3	3	3
Beacon Coal & Coke Co.	Inside ..	10	4	14	18	18	5	40	5	13	17	17	13	90	90
	Coke-tion No. 35 Outside..	4	3	7	18	18	5	9	3	3	3	3	3	3	3
Gatzmer Coal & Coke Co.	Inside ..	3	3	6	18	18	5	40	5	13	17	17	13	90	90
	Coke-tion No. 1 Outside..	3	3	6	18	18	5	40	5	13	17	17	13	90	90
Totals		188	84	335	201	220	1	21	1	29	38	72	1,124	140	1,389
<i>Braxton County.</i>															
Davis Colliery Co.	Inside ..	22	2	22	17	17	1	4	1	1	18	92	8	100	100
	Coke-tion No. 10 Outside..	5	3	8	17	17	1	4	1	1	18	92	8	100	100
do	Inside ..	3	3	6	17	17	1	4	1	1	18	92	8	100	100
	Coke-tion No. 11 Outside..	3	3	6	17	17	1	4	1	1	18	92	8	100	100
Totals		30	2	29	17	17	1	4	1	1	18	92	8	100	100
<i>Gilmer County.</i>															
Cosmopolitan C. & C. Co.	Inside ..	25	1	1	1	1	1	1	1	1	2	28	3	31	31
	Coke-tion No. 1 Outside..	3	3	6	1	1	1	1	1	1	2	28	3	31	31
Totals		28	1	1	1	1	1	1	1	1	2	28	3	31	31
<i>Mason County.</i>															
Mason City Coal Mining Co.	Inside ..	53	7	7	7	7	7	7	7	7	53	53	7	60	60
	Coke-tion No. 1 Outside..	7	7	14	7	7	7	7	7	7	53	53	7	60	60
Consumers Coal & Mining Co.	Inside ..	110	14	14	14	14	14	14	14	14	110	110	14	124	124
	Coke-tion No. 1 Outside..	14	14	28	14	14	14	14	14	14	110	110	14	124	124
Beech Grove Coal Co.	Inside ..	35	6	6	6	6	6	6	6	6	35	35	6	48	48
	Coke-tion No. 1 Outside..	6	6	12	6	6	6	6	6	6	35	35	6	48	48
The Liverpool Salt & Coal Co.	Inside ..	26	4	4	4	4	4	4	4	4	26	26	4	43	43
	Coke-tion No. 1 Outside..	4	4	8	4	4	4	4	4	4	26	26	4	43	43
Hartford Coal & Mining Co.	Inside ..	26	4	4	4	4	4	4	4	4	26	26	4	43	43
Totals		26	4	4	4	4	4	4	4	4	26	26	4	43	43

1908.

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH.

NAME OF COMPANY.	NAME OF MINE.	Where Employed	American (White)	Negro	Italian	Hungarian	Macedonian	Lithuanian	Polish	Swedish	English	Welsh	Austrian	Belgian	Russian	Bohemian	German	Scottish	Lithvich	Greek	Irish	Slavish	Syrian	Spanish	Roumanian	French	Unknown	Total Inside Employees	Total Outside of Coke Yd.	Total Coke Employees	Grand Totals
<i>Mason County</i> —	(Cont'd.)																														
Dixie Coal Co	Dixie	Inside outside Coke Yard	255	7																							43	289	36		305
<i>Potomac County</i>																															
Plymouth Coal & Mining Co	Plymouth	Inside outside Coke Yard																									28		2		30
do	Manilla	Inside outside Coke Yard																									105	105	8		113
do	California	Inside outside Coke Yard																									101	101	8		109
Alpha Coal Mining Co	Alpha	Inside outside Coke Yard	14	1																							30	255	25		18
The Otto Marmet Coal Co. & M Co.	Big Otto, Nos. 1, 2 & 3	Inside outside Coke Yard	125	100																							227	225	25		250
Black-Betsy Coal & M. Co	Nos. 1 & 2	Inside outside Coke Yard	25																								25	25	5		30
Oak Forest Coal & Mining Co.	Oak Forest	Inside outside Coke Yard																									25	25	5		830
Totals			165	101																						502	754	76			
<i>Clay County</i>																															
Dorfee Coal Mining Co	Elk Manor	Inside outside Coke Yard																									30	30	10		40

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH.
1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (White).	Negro	Italian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Irish.	Slavish.	Syrian.	Spanish.	Romanian.	French.	Unknown.	Total Inside Employees.	Total Outside (Exclusive of Coke Yard) Employees.	Total (Coke Employees.	Grand Totals.
Fayette County— Paint Creek Col- lieries Co	(Cont'd). Hickory Camp.	Inside	55	10																						69	10		79
		Coke Yard	9	1		4																				51			
Eureka Colliery Co	Eureka No. 13	Inside	32	19																						60	11		62
		Coke Yard	5	4																						14			74
do	Eureka No. 14	Inside	25	28							3									4						27			74
		Coke Yard	9	5																						2			
W. R. Johnson	Eagle No. 1	Inside	3	24																						47		15	44
		Coke Yard	15	2																						10			
do	Splint Nos. 5 & 6.	Inside	19	19					4		1			4												66	6		72
		Coke Yard	10																						2	45	11		56
The Carver Bros. Co	Mecca No. 2	Inside	52	14																					31	31			34
		Coke Yard	3	3																					3	3			
do	Mecca No. 5.	Inside	28	15																					40	40			43
		Coke Yard	9	2																					3	3			
The Carver Bros Co	No. 2	Inside																							35	35			35
		Coke Yard																							30	30			55
do	No. 3	Inside																							20	20			55
		Coke Yard																							25	25			55
do	No. 1	Inside																							20	20			55
		Coke Yard																							25	25			55
do	Eagle & Cal- formia	Inside																							20	20			55
		Coke Yard																							25	25			55
do	No. 5 Splint.	Inside																							20	20			55
		Coke Yard																							25	25			55

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (White.)	Negro.	Italian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scottish.	Lithvich.	Greek.	Irish.	Slovak.	Syrian.	Spanish.	Rumanian.	French.	Unknown.	Total Inside Employees.	Total Outside of (Coke Yard.)	Total (Coke Employees.	(Grand Totals.		
<i>Fayette County.</i>	(Cont'd.)																																	
Big Bend Coal Co.	Big Bend....	Inside.....																										19	16	6		35		
		Coke Yard.....																										6						
Stone Cliff C. & C Co.	Stone Cliff....	Inside.....	80	33																									115	10			125	
		Coke Yard.....	6	4																									22	12				
Beechwood Coal & C. Co.	No. 1.....	Inside.....																										12	34	6		84		
		Coke Yard.....																										6						
do	No. 2.....	Inside.....																										6				40		
		Coke Yard.....	9	22																									31					
Alaska Coal & C. Co.	Alaska.....	Inside.....	6	1																													38	
		Coke Yard.....																										137	17					
Ephraim Creek C. & C. Co.	Buffalo.....	Inside.....	80	51	6																												154	
		Coke Yard.....	17																															
		Outside.....	29																										27					
Ridgeview Coal Co	Ridgeview....	Inside.....	33																										36	7			36	
		Coke Yard.....	5	1																									36	5				
Export Coal Co	Export.....	Inside.....	35																										31				41	
		Coke Yard.....	5																															
Laurel Creek Coal Co.	Laurel.....	Inside.....	19	20																									31	5			36	
		Coke Yard.....	4	1																														
Glendale Colliery Co.	Glendale....	Inside.....	60	4																									64					
		Coke Yard.....																																
Quinnimont Coal Co	Big O. & Lick Branch.	Inside.....																										55	37				64	
		Coke Yard.....																										11	5					71

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed	Americans (White)	Negro.	Italian.	Hungarian	Macedonian	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian	German.	Scotch.	Greek.	Irish.	Slavish.	Syrian.	Spanish.	Roumanian.	French.	Unknown	Total Inside Employees.	Total Outside of (Coke Yard).	Total (Coke Employees	(Grand Totals.
Fayette County— The New River Collieries Co.	(Cont'd)	Inside	15	12		3		2																			32	33		35
	Conard	Outside	12	1																										
	do	Coke Yard	60	40	1	2							46														152	8		161
	do	Outside		8																										
do	Red Ash	Coke Yard	25	19	5	9		5	2	3								3		12	13					72	12		85	
	do	Outside	5	5																										
	do	Coke Yard	47	29					2	8			2		1			2									106	53		159
	do	Outside	24	12	17																									
do	Sun Nos. 1, 2 & 3.	Coke Yard	85	180	9	9		9	9	9	9	9	9	9	9	9	9	9	9	9						400	50	10	450	
	do	Outside	50																											
	The Dungen Coal Co	Coke Yard																								48	48	6	54	
	do	Inside																												
Newlyn Coal Co.	Newlyn	Coke Yard	15	3														2		3						23	2		25	
	do	Outside	2																											
	Meadow Fork Coal Co.	Coke Yard	10	5	5			3																		26	7		33	
	do	Inside	2		4			1																		121	15		136	
The Star Coal & Coke Co	Star	Outside																								15				
	do	Coke Yard																								71	71	8	79	
	Laura Mining Co	Inside																								100	100	6	106	
	do	Outside																								6				
Nichol Colliery Co.	Nichol	Coke Yard																								6				
	do	Inside																								6				

Mc Kell Coal & Coke Co.	Derryhale	Inside CokeYard	83	75	100	25				15	1					105	10	10	115
do	Kilsyth	Inside CokeYard	21	4									4			303	25		328
Harvey Coal & Coke Co.	No. 1	Inside CokeYard	30	25	3	2				5			3	2		75	8		83
do	No. 2	Inside CokeYard	10	5	5	6							7	4					
Prudence Coal Co.	Prudence, Lyman & Jones	Inside CokeYard	30	10	2					7	10		6	2	21	13	15	6	86
Collins Colliery Co.	Collins Nos. 1 & 2	Inside CokeYard	47	50	10	75				25						207	35		116
White Oak Fuel Co.	Wingrove	Inside CokeYard	20	24	5	10				3	32					117	15		132
do	Scarbro	Inside CokeYard	25	25	25	21				30	40					146	35		181
do	Whipple	Inside CokeYard	18	1	5	44				6	8	1	2		1	123	20		143
do	Carlisle	Inside CokeYard	20	37	3					48	11			14	7	148	47		195
do	Oakwood	Inside CokeYard	20	17	7					13	19			16	5	100	9		109
Stuart Colliery Co.	Parra	Inside CokeYard	15	2	1	1				1						20	31		51
do	Beech Creek	Inside CokeYard	18	7	1	3				2	3	2	4			23	4		27
do	Stuart	Inside CokeYard	16	14	4	4										38	16		54
Dunn Loop Coal Co.	Dunn Loop No. 1	Inside CokeYard	18	6	2					12	15				2	47	11		58
do	Dunn Loop No. 2	Inside CokeYard	40	40	2	10				10				7		100	12		121

* Worked two shifts

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed	American (White)	Negro	Italian	Hungarian	Macedonian	Lithuanian	Polish	Swedish	English	Welsh	Austrian	Belgian	Russian	German	Scottish	Greek	Irish	Slovak	Spanish	Romanian	French	Unknown	Total Inside	Total Outside (Exclusive of Coke Yd.)	Total Coke Employees	Grand Totals.
Fayette County— Macdonald Coal- ley Co.	(Cont'd.) Macdonald	Inside	64	43	3	5			3	4	2					5	2	2						128	24	40	192	
		Coke Yard	8	10	3																							
		Inside	34	40		6																			91	29		
		Outside	14	15																								
Sugar Creek Co.	Sugar Creek	Coke Yard																							68	8		120
		Inside	15	18	18					1																		
		Outside	5	2																								
		Coke Yard	30	32	9	10			9	2	3				3	10				3					111	8		76
Turkey Knob Co.	Turkey Knob	Inside	8																									
		Outside	2	6																				15	1		127	
		Coke Yard																										
		Outside																										
Mt Hope Coal & C. Co.	Baby	Coke Yard																										16
		Inside																										
		Outside																										
		Coke Yard																										
Totals			5,167	3,032	962	404	13	40	385	38	350	10	38	83	5,265	1	132	31	40	26	44	26	1,663	10,540	1,542	533	12,615	
Kanawha County— Falling Rock Gun- nel C. Co.	Jones	Inside																						25	25	5		30
		Outside																						5				
		Coke Yard																										
		Inside																						26	26	3		29
The Graham C. Co.	Graham	Coke Yard																						31	31	4		35
		Inside																						4				
		Outside																						26	26	6		32
		Coke Yard																										
The Elk Coal Co.	Queen Shoals	Inside																										
		Outside																										
		Coke Yard																										
		Inside																										
do	Turner	Outside																										
		Coke Yard																										
		Inside																										
		Coke Yard																										
Pen Mar Mining Co.	Pen Mar	Inside	12																									
		Outside	1																									
		Coke Yard																										
		Inside																										

L. D. Lee Coal Co	L. D. Lee.....	Inside Outside Coke Yard	2 2	12	1	4	8	3	11	24				2	2	4		
Totals			776	874	341	206								467	1,943	470	314	2,727
McDowell County.																		
Algonima Coal & Coke Co.	Northfork & Piney.....	Inside Outside Coke Yard	20	70	20									150	150	25	35	210
Elk Ridge Coal & Coke Co.	Elk Ridge.....	Inside Outside Coke Yard	3	12	5					10				25	25	20	50	190
Gilliam Coal & Coke Co.	Gilliam.....	Inside Outside Coke Yard	22	77	26									35	120			
Indian Ridge Coal & Coke Co.	Indian Ridge.....	Inside Outside Coke Yard	9	6											125	15	22	162
Rounoke Coal & Coke Co.	Rounoke.....	Inside Outside Coke Yard	25	49	18	19	3								114	15		146
Arlington Coal & Coke Co.	Arlington.....	Inside Outside Coke Yard	7	12	2	15									72	18	30	130
Greenbrier Coal & Coke Co.	Greenbrier.....	Inside Outside Coke Yard	6	30											79	16	20	115
McDowell Coal & Coke Co.	McDowell.....	Inside Outside Coke Yard	10	35	18	6									90	19	41	150
Ashland Coal & Coke Co	Ashland & Monitor.....	Inside Outside Coke Yard	30	15	5	10	5								175	43	25	243
Peachontas Colliers Co., Inc.	Peachontas Colliers Co., Inc.....	Inside Outside Coke Yard	4	15											205	32	50	289
do	Lick Branch.....	Inside Outside Coke Yard	55	72	55	12									165	40		275
do	Betta.....	Inside Outside Coke Yard	19	15	8										285	50	8	415
do	Shannonkin.....	Inside Outside Coke Yard	84	142											290	50	40	380
do	Norfolk Angle.....	Inside Outside Coke Yard	25	25											275	40	100	515
		Inside Outside Coke Yard	69	68	128										500	75	175	750

Virginia Pocahontas Coal Co.	No. 2	Inside	26	10	1	37	42
do	East & West	outside	3	2		51	59
do	Nos. 1 ² , 3 & 4	Coke Yard	16	21	14	8	14
do	No. 5	Inside	4	5		10	10
Vaughan Coal & Coke Co.		outside				4	4
Big Sandy Coal & Coke Co.	Vaughan	Coke Yard				35	25
do	Big Sandy	Inside	103	13	9	4	39
do	Marytown	outside	71	57		125	129
Twin Branch Mining Co.		Coke Yard	22	4		135	161
do	Twin Branch	Inside				250	259
do		outside				9	5
do		Coke Yard				150	155
do		Inside				50	52
do		outside				2	2
do		Coke Yard				125	129
do		Inside				4	8
do		outside				300	308
do		Coke Yard				80	85
do		Inside				5	5
do		outside				70	74
do		Coke Yard				4	4
do		Inside				116	125
do		outside				9	10
do		Coke Yard				65	75
do		Inside				34	39
do		outside				1	1
do		Coke Yard					

1908.

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH.

NAME OF COMPANY.	NAME OF MINE.	Where Employed	American (White)	Negro	Italian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scottish.	Latvian.	Greek.	Irish.	Slavish.	Syrian.	Spanish.	Rumanian.	French.	Unknown.	Total Inside Employees.	Total Outside (Exclusive of Coke Yard)	Total Coke Employees	(Grand Totals)	
McDowell County	—(Cont'd.)																															
		The Pando Coal Co.	1 & 2.	Inside																								75	32		107	
Atlas Pocahontas Coal Co.	Antler Nos 3 & 4.	Coke Yard																									53	16				
		Inside	38	10	5																						63	25		88		
Oregon Coal Co.	1 mo & Mc Claren	Coke Yard																									30	5				
		Inside	42	21	10																						60	26		86		
Slick Rock Coal Co.	Slick Rock	Coke Yard																									60	26				
		Inside	15	10	5																						30	5		35		
Jed Coal & Coke Co.	Jed.	Coke Yard																									60	26				
		Inside	22	23	7																						190	20		210		
United States Coal & C. Co.	No 1.	Coke Yard																									190	20				
		Inside	34	70	80																						195	25		220		
do	No. 2	Coke Yard																									195	25				
		Inside	21	58	39																						183	17		200		
do	No. 3	Coke Yard																									183	17				
		Inside	8	14	3																						130	8		138		
do	No. 4	Coke Yard																									130	8				
		Inside	34	57	8																						130	8		138		
do	No. 5	Coke Yard																									130	8				
		Inside	8	20	3																						71	9		80		
do	No. 6	Coke Yard																									71	9				
		Inside	5	35	7																						168	19		187		
do	No. 7	Coke Yard																									168	19				
		Inside	39	60	47																						205	42		247		
do	No. 8	Coke Yard																									205	42				
		Inside	8	22	10																						247	42		289		
do	No. 9	Coke Yard																									247	42				
		Inside	22	46	11																						289	42		331		
do	No. 10	Coke Yard																									289	42				
		Inside	9	17	24																						331	42		373		

United States Coal & C. Co.	No. 8.	Inside. Outside. Coke Yard	30 2 1	34 4 20	28 2 13	10	102	51	161
do	No. 10	Inside Outside Coke Yard	10 5 5	13 5 2	23 2 19	10	46	10	56
do	No. 11	Inside Outside Coke Yard	5 6 30	12 13 16	5 5 5	24	36	24	60
Black Wolf C. & O Co.	No. 4	Inside Outside Coke Yard	14 6 70	6 6 85	5 25 15	20	51	20	71
Page Coal & Coke Co.	Nos. 1, 2 & 3.	Inside Outside Coke Yard	2 8 17	39 6 5	10 8 8	4	195	24	260
Welch Coal & Coke Co.	Welch	Inside Outside Coke Yard	5 10 3	5 20 3	.....	.....	34	5	39
Hemphill Colliery Co.	Hemphill	Inside Outside Coke Yard	25 13 2	22 2 23	5 6 5	4	81	3	53
Middle States Coal & Coke Co.	No. 11	Inside Outside Coke Yard	30 15 15	15 10 30	5 30 30	2	47	21	132
Dixon Pocahontas Fuel Co.	North Side	Inside Outside Coke Yard	..... ..... .....	..... ..... .....	..... ..... .....	.....	8	55	102
Dixon Pocahontas Fuel Co.	South Side.	Inside Outside Coke Yard	20 8	18	1	2	41	3	11
Cirrus Coal & Coke Co.	Cirrus No. 1	Inside Outside Coke Yard	..... ..... .....	..... ..... .....	..... ..... .....	.....	7	8	49
Virginia Fuel Co	Virginia	Inside Outside Coke Yard	13 13 15	120 5 106	15 5 40	5	158	4	11
King Coal Co	King	Inside Outside Coke Yard	10 1 25	9 23 68	11 1 16	.....	183	23	181
The Tidewater C. & O. Co.	Tidewater.	Inside Outside Coke Yard	12 2 40	14 21 45	3 1 15	25	159	19	227
Bottom Creek Coal & C. Co.	Bottom Creek	Inside Outside Coke Yard	12 2 12	14 21 3	3 1 18	1	118	30	214
Peerless Coal & Coke Co.	Peerless	Inside Outside Coke Yard	12 3 3	3 37 .....	..... ..... .....	.....	15	15	173

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH, 1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (White).	Negro.	Italian.	Hungarian.	Lithuanian.	Polish.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scottish.	Lithvich.	Greek.	Irish.	Slavish.	Syrian.	Spanish.	Romanian.	French.	Unknown.	Total Inside Employees.	Total Outside (Exclusive of Coke Yard).	Total Employees.	(Grand Totals).
McDowell County The Empire Coal & Coke Co.	—(Cont'd) Empire.	Inside.	53	142		11	7		12								5										230	30	60	320	
		Outside. Coke Yard	10	10																											
Shawnee Coal & Coke Co.	Shawnee	Inside.	10	33		59																					102	19	24	145	
		Outside. Coke Yard	9	10		1																									
Eureka Coal & Coke Co.	Eureka.	Inside.	40	105	3																						175	15	32	222	
		Outside. Coke Yard	10	5	3																										
Pulaski Iron Co.	Pulaski	Inside.	49	26	16	41																					214	62	85	361	
		Outside. Coke Yard	36	11	15																										
Keystone Coal & Coke Co.	Keystone No 1 & 2	Inside.	49	77	28	8		2	1								1										166	34	29	229	
		Outside. Coke Yard	24	9	1																										
Lynchburg Coal & Coke Co.	Lynchburg.	Inside.	3	26	1																						190	20	35	243	
		Outside. Coke Yard	10	10	7	8															8										
Powhatan Coal & Coke Co.	Powhatan	Inside.	3	30	5	13		4																			109	25	45	179	
		Outside. Coke Yard	34	45	5																										
Upland Coal & Coke Co.	No. 1.	Inside.	10	15	30																						143	32	80	255	
		Outside. Coke Yard	20	103	20																										
Houston Coal & Coke Co.	Nos 1 & 2	Inside.	12	10	10	27																					147	33	85	265	
		Outside. Coke Yard	10	10	3																										
Crozer Coal & Coke Co.	Crozer No 1 & 2	Inside.	20	73	10	36		12																			160	15	60	235	
		Outside. Coke Yard	16	87	7																										
Turkey Gap Coal & Coke Co.	Turkey Gap.	Inside.	4	48	8	19		15																			300	50	100	450	
		Outside. Coke Yard	25	175	25																										
Totals			3,241	5,237	1,080	1,514	2	142	3	15	5	29	333	43	1	54	2	41	1	1,457	9,609	1,504	2,116	13,229							

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1908.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (White)	Negro	Italian	Hungarian.	Macedonian.	Lithuanian.	Polish.	Swedish.	English.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	Scotch.	Irish.	Slovakish.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees	Total Outside Exclusive of Coke Yd.	Total Coke Employees.	Grand Totals.
Logan County— (Cont'd).																												
Ethel Coal Co.	Ethel.....	Inside.....	10	35	4																			50	5		55	
		Outside.....	6	1																								
The Monitor Coal Monitor and Coke Co.	Reechwood.....	Coke Yard.....	30	15	30	40									1									117	19		136	
		Inside.....	18																									
The Yuma Coal & Coke Co.	Yuma.....	Coke Yard.....	35	4		6																		45	5		50	
		Inside.....	5																									
The Gay Coal & Coke Co.	Gay.....	Coke Yard.....	50																					50	14		64	
		Inside.....	14																									
Cora Coal & Coke Co.	Cora.....	Coke Yard.....	2	32									3											46	5		51	
		Inside.....	5																									
United States Coal & Oil Co.	Island Creek No. 1.....	Coke Yard.....	43	13	82	24							3											195	73		270	
		Inside.....	59		6	2																						
do	Island Creek No. 2.....	Coke Yard.....	70	21	15	48							6	26										213	80		293	
		Inside.....	61		3	5							1	4														
do	Island Creek No. 3.....	Coke Yard.....	24		3	20							1	6	5									67	16		83	
		Inside.....	16																									
do	Island Creek No. 4.....	Coke Yard.....	32		3	12							8											60	15		75	
		Inside.....	15																									
United States Coal & Oil Co.	Island Creek Nos. 5 & 6.....	Coke Yard.....	42		19	12							1											77	4		81	
		Inside.....	3	1																								
Totals.....			839	167	166	169	2	73	22	1	21	14	33	3	2		5	6	2	2				175	1,355	325	1,680	

[illegible]

TABLE SHOWING AVERAGE PRICE PAID PICK MINERS PER YEAR
AND MONTH FROM 1897 TO 1908, INCLUSIVE.

YEAR	Average Earnings of Each Pick Miner Per		Average Price Per Ton of 2,240 Lbs. Received for Pick Mining. (Run of Mine)
	Year.	Month.	
1897	\$ 275.58	\$ 22.96	\$ 35 1-5
1898	316.39	26.36	33 9-10
1899	367.84	30.65	36 12
1900	451.77	37.65	41 06
1901	459.56	38.29	44 1 ¹ / ₂
1902	533.56	44.46	47 1 ¹ / ₂
1903	499.06	41.59	49 1 ¹ / ₂
1904	484.96	40.41	49 1 ¹ / ₂
1905	508.01	42.17	47
1906	599.37	49.95	48
1907	643.05	53.59	49
1908	563.84	41.99	46

*WAGES PAID AND SELLING PRICE OF COAL AND COKE FOR THE
YEAR ENDING JUNE 30TH, 1908.*

COUNTY.	Paid Pick Miners Per Ton of 2,240 Lbs.		Selling Price of	
	Run of Mine.		Screened	Coal. Coke.
	Room.	Heading.	Room.	(Tons of 2,240 Lbs.) (Tons of 2,000 Lbs.)
Brooke.....	\$	\$	\$ 1.01	\$ 1.15
Hancock.....	.44		.84	1.40
Marion.....	.40	.51		.92 2.15
Marshall.....	.55		1.01	1.09
Ohio.....	.67		1.01	1.15
Harrison.....	.33	.39		.81 1.70
Lewis.....	.42			.78
Upshur.....	.47			.85 1.75
Barbour.....	.37	.39		.84 1.69
Monongalia.....	.38			.87 1.32
Preston.....	.46	.56		.93 1.77
Taylor.....	.35	.43		.81
Grant.....	.50			.89
Mineral.....	.56	.69		.98
Randolph.....	.41	.43		.96 2.00
Tucker.....	.44	.46		.90
Braxton.....	.42			1.00
Gilmer.....	.42			.98
Mason.....	.63		.80	1.18
Putnam.....			.73	1.28
Clay.....	.57			1.44
Fayette.....	.52			1.13 2.68
(Kanawha River Series.....				
New River Proper.....	.52	.55		1.26 2.90
(Loup Creek.....	.40	.51		1.26 2.93
Kanawha.....	.52	.55	.81	1.19 2.50
Nicholas.....	.58		.84	1.02
Greenbrier.....	.56			1.16
Raleigh.....	.45	.50		1.19 2.75
Mercer.....	.37	.42		1.12 2.07
McDowell.....	.40	.44		1.19 2.10
(Pocahontas No. 3.....				
Pocahontas Thin Vein.....	.40			1.15
Wyoming.....			.95	
Lincoln.....				1.16
Logan.....	.40			1.02
Mingo.....	.38	.41		1.02
Wayne.....	.56			.85
Averages.....	\$.46	\$.48	\$.88	\$ 1.06 \$ 2.16

SUMMARY OF THE WAGES PAID MACHINE MINERS, RUNNERS AND HELPERS FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY	Machine Miners Paid Per				Machine Runners		Machine Helpers	
	Day	Ton of 2,240 lbs. Run-of-Mine.		Ton of 2,240 lbs. Screened	Wages	Paid by	Wages	Paid by
		Room	Heading					
Brooke	\$.	30	40	\$.	\$.	6 ³ / ₄ c Long Ton (Room.) 6c Long Ton (Room.)	\$.	6 ³ / ₄ c Long Ton. 6c Long Ton. Day.
Hancock		40					2.44	
Marion		26	31		2.89	8c Room 9c Heading Long Ton. Long Ton	2.25	Day
Marshall					2.50	8c Room 10c Heading Screened Long Ton.		
Ohio				50				
Harrison		22	26		2.72	8c Long Ton 9c Long Ton (Room.) (Heading)	2.24	Day.
Lewis		25						
Upshur		31	35		2.25	Long Ton Long Ton 7 ¹ / ₂ c per car	2.00	7 ¹ / ₂ c per car. Day.
Barbour		22	25		2.38	6 ³ / ₄ c Long Ton 8c Long Ton (Room.) (Heading.)	2.13	Day
Monongalia		25				5 ¹ / ₂ c Long Ton (Room.) Day.	2.00	Day.
Preston		20	31		2.50	6 ³ / ₄ c Long Ton 9c Long Ton (Room.) (Heading)		
Taylor		26	30				6 ³ / ₄ c Long Ton Room	7c Long Ton (Heading.) Day.
Grant		37	50				2.00	
Mineral		36			2.00	8c Long Ton (Room.) Day.		
Tucker						8c Long Ton (Room.) Long Ton (Heading.)		
Mason		33	39	45	2.30	Day	2.30	Day.
Futurnum								
Clay		32	37					

Fayette (New River Series, New River Proper, Loup Creek)	27	34			Day 2.33	Long Ton 6c Room	Long Ton 7c Heading	2.15	Day.
	28				Day 2.65	6c Room		2.06	Day.
	36				Day 2.15	5c Room		2.10	Day.
Kanawha	30	34	51	64	2.51	7c Long Ton (Room)	Pay. 7c Long Ton (Room)	2.34	Day.
	33	37			2.35		Pay. (Heading.)	2.35	Day.
	35				2.87		Pay.		
	35				2.42	7c Long Ton (Room)		2.09	Day.
	29	25			2.64		Pay.	1.72	Day.
	46	36			2.50		Pay.	2.09	Day.
	40					7c Long Ton (Room)		2.07	Day.
	24	26			2.38		Pay.	1.90	Day.
	26	28			2.54		Pay. 13c. Car.	1.90	Day.
Averages	\$0.31	\$0.33	\$0.53	\$0.55		7c Long Ton (Room.)	7c Long Ton (Room.)	6c Long Ton (Room.)	
						9c Long Ton (Heading.)		7c per car.	
						8c Long Ton Screened (Room.)	10c per car.		
					\$2.50	10c Long Ton Screened (Heading.)	Pay.	2.11	Day.

STATEMENT OF THE TONNAGE OF COAL AND COKE FROM THE COLLIERIES IN WEST VIRGINIA HANDLED
AND TRANSPORTED BY THE RAILROADS IN THE STATE DURING THE TWELVE MONTHS ENDING
JUNE 30TH, 1908. (Quantities are expressed in tons of 2,000 lbs.)

Name of Railroad Company.	Total Tons Handled		Tons Originating on the Line.		Tons Delivered To the Line By other Railroads in West Virginia		Tons Delivered by the and Docks to which Product is delivered for Distribution		Points of Destination of the Product.	
	Coal.	Coke.	Coal.	Coke.	Coal.	Coke.	Coal.	Coke.	East.	West.
Baltimore & Ohio R. R. Co.	8,194,068	428,908	7,535,561	658,507	169,075		No Data		Various.	All sections, as far as Pacific Coast.
Western Maryland R. R. Co.	2,323,618	240,796	2,145,950	212,723	18,073	37,602	15,301	19,306	B. & O. R. R.; Baltimore & Philadelphia Reading; Erie; B. & O. R. R. Coal & Coke roads.	Various Western Points on Atlantic Coast; B. & O. R. R. Coal & Coke roads.
Kanawha & Michigan Ry. Co.	2,273,442	150,727	2,012,890	141,872	230,552	8,835	272	none	T. & O. C. Ry.; Docking Valley Ry.; and Docks at Toledo, Ohio.	All Points in Ohio, Indiana and Lake Ports.
Norfolk & Western Ry. Co.	9,963,682	1,889,780	9,948,162	1,888,435	1,345	153	no record		Lambert Pt. Foreign Ports (Cincinnati); Lake Piers; Toledo and Atlantic Points; Chicago & Sandusky (East); Va.; Western Cities; S. A. North and Lake; A. C. South Carolina; S. O. Florida Points.	
Chesapeake & Ohio Ry. Co.	10,182,293	327,119	9,856,911	325,382	47,745	24,795	629,365	870	C. & O. C. Ry. Export; at Newport Coastwise; News & Va. New York; Baltimore & Va. New York; New England, etc.	Cincinnati; Chicago; St. Louis; Toledo; etc.
Coal & Coke Ry. Co.	408,563	57,064	402,068	56,940	121	385,262	56,841	48,804	B. & O. R. R.; W. M. R. R.	Reading; Lake Points; Chicago; St. Louis; etc.
Totals	33,345,669	3,114,394	31,901,542	2,869,157	1,444,127	448,122	72,045	828,135		

*NUMBER OF KEGS OF POWDER USED AT THE MINES, BY
COUNTIES, FOR 1908.*

COUNTY.	No. of Operations re- porting.	Tons of Coal. (Tons of 2,240 lbs.)	Kegs of Powder Used.	Cost Per Keg to Miner	Pounds of Dyna- mite used	Pounds of Safe- ty Pow- der used
Brooke	3	312,266	3,768	\$ 1.58	700	600
Hancock	3	66,511	753	1.55	.....	.....
Marion	22	3,066,549	26,570	1.69	325	145,450
Marshall	4	95,476	2,000	1.57	.....	400
Ohio	4	15,736	330	1.55	.....	.....
Harrison	45	2,969,828	34,604	1.67	12,507	53,098
Lewis	1	22,640	475	1.75	400	.....
Upshur	3	76,753	2,500	1.65	800	.....
Barbour	11	792,641	9,112	1.59	10,200	27,654
Monongalia	3	172,093	2,970	1.57	.....	.....
Preston	11	655,015	8,022	1.59	2,300	50
Taylor	5	289,993	1,970	1.56	750	50
Grant	3	242,442	680	1.78	20,300	5,000
Mineral	11	249,844	3,411	1.55	3,325	.....
Randolph	6	368,744	7,770	1.72	200	.....
Tucker	10	919,453	11,527	1.77	67,037	.....
Braxton	2	91,763	2,445	1.75	.....	.....
Gilmer	1	6,697	114	1.75	.....	100
Mason	5	98,060	2,384	1.79	.....	.....
Putnam	6	422,299	13,625	1.75	3,500	.....
Clay	3	27,683	1,050	1.75	.....	.....
Fayette	97	5,658,839	71,197	1.91	46,604	131,725
Kanawha	69	1,665,804	39,210	1.74	11,266	600
Nicholas	7	59,306	1,631	1.75	.....	.....
Grant	1	2,400	612	1.75	.....	.....
Raleigh	28	1,180,841	11,350	1.98	28,850	32,740
Mercer	14	1,503,091	50,523	2.00	121,510	3,700
McBowell	70	7,235,883	92,257	1.93	151,325	42,152
Lincoln	3	25,034	907	1.75	.....	50
Logan	16	1,104,399	12,111	1.70	550	425
Mingo	30	1,614,036	27,392	1.78	5,600	6,700
Wayne	1	35,756	1,492	1.79	.....	.....
Totals	498	61,057,925	425,342	1.74	788,049	453,074

STEAM BOILERS AT MINES—1908.

COUNTY.	Number of Boilers Insured.	Number of Boilers <i>not</i> Insured.	Total Number of Boilers.
Brooke	8	.....	8
Hancock	1	.....	1
Marion	78	1	79
Marshall	16	1	17
Ohio .....	.....	3	3
Harrison	69	.....	69
Lewis .....	.....	1	1
Upshur	1	1	2
Barbour	25	.....	25
Monongalia	7	1	8
Preston	34	.....	34
Taylor	8	1	9
Grant	7	.....	7
Mineral	13	1	14
Randolph	16	.....	16
Tucker	23	2	25
Mason .....	.....	6	6
Putnam	2	9	11
Clay	1	1	2
Fayette	201	33	234
Kanawha	132	18	150
Nicholas	4	2	6
Greenbrier	1	.....	1
Raleigh	65	.....	65
Mercer	59	.....	59
McBowell	167	23	190
Lincoln .....	.....	1	1
Logan	18	1	19
Mingo	41	9	50
Totals	997	115	1,112

SUMMARY OF THE NUMBER OF MINE LOCOMOTIVES IN THE
STATE—1908.

COUNTY.	No. of Mines Using Locomotives.	Locomotives.			
		Steam.	Electric.	Comp. Air.	Sum Total.
Brooke.....	5	.....	10	.....	10
Hancock.....	1	.....	1	.....	1
Marion.....	15	.....	34	2	36
Marshall.....	4	.....	9	.....	9
Ohio.....	2	.....	2	.....	2
Harrison.....	25	5	27	.....	32
Lewis.....	1	1	.....	.....	1
Upshur.....	2	.....	3	.....	3
Barbour.....	6	.....	10	.....	10
Monongalia.....	4	.....	12	.....	12
Preston.....	2	.....	14	.....	14
Taylor.....	2	.....	3	.....	3
Grant.....	1	.....	4	.....	4
Mineral.....	8	6	3	.....	9
Randolph.....	2	.....	5	.....	5
Tucker.....	9	2	16	.....	18
Mason.....	3	1	2	.....	3
Putnam.....	6	.....	6	.....	6
Fayette.....	83	20	143	1	164
Kanawha.....	74	4	87	.....	91
Nicholas.....	4	1	3	.....	4
Raleigh.....	24	2	29	.....	31
Mercer.....	23	13	15	.....	28
McDowell.....	68	21	117	.....	198
Logan.....	10	.....	19	.....	19
Mingo.....	15	5	16	2	23
Totals.....	404	81	590	5	676

**NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.**

NAME OF COMPANY.	NAME OF MINE.	Locomotives.		
		Steam.	Electric.	Comp Air
<i>Brooke County.</i>				
La Belle Coal Co	Lewis No. 1		1	
Beech Bottom Coal Co	Beech Bottom No. 1		3	
Lewis-Findley Coal Co	Locust Grove		2	
La Belle Iron Works	La Belle Shaft		1	
Rex Carbon Coal Co	Rex No. 1		3	
Totals			10	
<i>Hancock County.</i>				
The Marquet Coal Co	No. 4		1	
Totals			1	
<i>Marion County.</i>				
Fairmont Coal Co	Montana		1	
do	Shaft		2	
do	New England		5	
do	Gaston		1	
do	Monongah No. 2		12	
do	do No. 6		5	
do	do No. 8		7	
do	Shaver		1	
do	Anderson		1	
do	Highland		12	
do	Middleton		12	
do	Chiefton		1	
New Central Coal Co	Stafford			12
The Virginia & Pittsburg C. & C. Co	Kingmont		3	
Kilarm C. & C. Co	Kilarm No. 1		1	
Totals			34	2
<i>Marshall County.</i>				
Hitchman C. & U. Co	Hitchman		2	
Wheeling Steel & Iron Co	Benwood Mill		5	
Glendale Coal Co	Glendale		1	
Bituminous Coal Co. of America	Bituminous No. 1		1	
Totals			9	
<i>Ohio County.</i>				
Richland Coal Co	Richland		1	
Elm Grove Coal Co	Elm Grove		1	
Totals			2	
<i>Harrison County.</i>				
Clarksburg Fuel Co	Fall Run		1	
do	Pinnickinnick		2	
do	Two Lick		1	
Fairmont Coal Co	Enterprise		3	
do	Viropa		2	
do	Riverdale		1	
do	Gypsy		3	
do	Mendowbrook		1	
do	Globe		1	
do	Dunham		1	
do	Robinson Run		1	
Pittsburg & Fairmont Fuel Co	Perry		2	
do	Pooz	1		
Cook C. & C. Co	Girard No. 1		1	
do	No. 2 at Girard No. 1		1	
Corona C. & C. Co	Harold		1	
Meadow Brook C. & C. Co	Erie		1	
Fairmont & Baltimore C. & C. Co	Fairmore	1		
Madeira-Hill-Clark C. Co	New Chieftain & Randolph		2	

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.—(Continued.)

		Locomotives.		
NAME OF COMPANY.	NAME OF MINE.	Steam.	Electric.	Comp. Air.
<i>Harrison County—(Cont'd.)</i>				
Washington Fuel Co.	Miller No. 1.	1		
do	Miller No. 2	1		
Pitcairn Coal Co.	Pitcairn.	1	1	
Hutchinson Fuel & Supply Co.	Hutchinson Nos. 1 & 2		1	
Totals		5	27	
<i>Lewis County.</i>				
Jacksonville C. & C. Co.	Sarah B No. 3.	1		
Totals		1		
<i>Upshur County.</i>				
Red Rock Fuel Co.	Red Rock Nos. 1 & 2		3	
Totals			3	
<i>Barbour County.</i>				
Philippi Collieries Co.	Meriden Nos. 1, 2, 3, 4 & 5.		2	
Fairmont Coal Co.	Berryburg		3	
The Century Coal Co. of W. Va.	Century No. 1		3	
Miller C. & C. Co.	Sara		1	
Midland C. & C. Co.	Midland		1	
Totals			10	
<i>Monongalia County.</i>				
Fairmont Coal Co.	Beechwood		1	
Elkins C. & C. Co.	Richard		3	
do	Sabraton		5	
Connellsville Basin Coke Co.	Nos. 2, 3 & 4		3	
Totals			12	
<i>Preston County.</i>				
The Austen C. & C. Co.	Austen No. 1		2	
do	do 2		1	
Merchants Coal Co.	Merchants No. 2		3	
Atlantic C. & C. Co.	Atlantic		1	
Elkins C. & C. Co.	Bretz		4	
do	Kingwood		2	
do	Masontown		1	
Totals			14	
<i>Taylor County.</i>				
Pittsvein Coal Co.	Flemington		2	
The Cecil C. & C. Co.	Cecil		1	
Totals			3	
<i>Grant County.</i>				
Davis C. & C. Co.	Henry No. 22		4	
Totals			4	
<i>Mineral County.</i>				
Davis C. & C. Co.	Wabash No. 9.	1		
do	Ott No. 20.	1		
do	Montgomery Run No. 19.	1		
do	No. 50.	1		
do	No. 51.	1		

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.— (Continued.)

NAME OF COMPANY	NAME OF MINE	Locomotives.		
		Steam	Electric	Comp. Air
<i>Mineral County—(Cont'd.)</i>				
Abrams Creek C. & C. Co.	Oakmont		1	
Gleason C. & O. Co.	Gleason No. 2		2	
The Big Vein C. Co. of W. Va.	Big Vein	1		
Totals		6	3	
<i>Randolph County.</i>				
Davis Colliery Co.	Coalton, No. 1		3	
do	Harding, No. 3		2	
Totals			5	
<i>Tucker County.</i>				
Cumberland Coal Co.	No. 1	1		
	Nos. 3, 4 & 5	1		
Davis C. & C. Co.	Thomas No. 23 & P'ton Run		4	
do	Thomas No. 25		3	
do	No. 34		2	
do	Cokelet No. 35		1	
do	No. 36		2	
do	No. 37		4	
Totals		2	16	
<i>Mason County.</i>				
Consumers C. & M. Co.	Camden		1	
The Liverpool Salt & Coal Co.	Jackson	1		
Hartford C. & M. Co.	Hartford		1	
Totals		1	2	
<i>Putnam County.</i>				
Plymouth C. & M. Co	Plymouth		1	
do	Manilla		1	
do	California		1	
The Otto Marmet C. & M. Co	Big Otto Nos. 1, 2 & 3.		3	
Totals			6	
<i>Fayette County.</i>				
Sunday Creek Co.	No. 112		1	
do	No. 114		2	
do	No. 115		2	
The Columbus Iron & Steel Co	No. 1		3	
Kanawha Gas Coal Co.	Kanawha Gas		1	
do	Eagle		1	
W. R. Johnson & Co.	Oakland		2	
Boomer C. & C. Co.	No. 1		1	
do	No. 2 North		2	
do	No. 2 South		1	
do	No. 3		1	
Eureka Colliery Co.	Eureka No. 13		1	
do	No. 14		1	
W. R. Johnson	Splint No. 5 & 6	1		
The Carver Bros. Co.	Mecca No. 2		1	
do	No. 2		1	
do	No. 1		1	
do	Diamond	1	1	
M. B. Coal & Coke Co.	Kimberly		1	
do	Elk Ridge No. 1		1	
The Mt. Carbon Co., Ltd.	Vulcan		1	1
Great Kanawha Colliery Co.	Brewster		1	
do	Lirby		1	
Loup Creek Colliery Co.	Ansted & Eagle	2		
Lynchburg Colliery Co.	Lynchburg	1		
The Gauley Mountain C. Co.	Nova Scotia & Terkey Crk	4	4	

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.—(Continued.)

NAME OF COMPANY.	NAME OF MINE	Locomotives.		
		Steam.	Electric.	Comp. Air.
<i>Fayette County.—(Cont'd.)</i>				
Gaymont Colliery Co.	Gaymont		1	
Sunbury C. & C. Co.	Sunnyside		1	
Beury-New River C. Co.	Elmo		1	
Nuttallburg C. & C. Co.	Nuttallburg		2	
Keeneys Creek Colliery Co.	Smokeless		2	
do	do No 2	1	1	
Rothwell Coal Co.	Dubree		1	
Pennsylvania & New River C. Co.	Kohinoor		1	
Fire Creek C. & C. Co.	Fire Creek & Buffalo.	1		
Stone Cliff C. & C. Co.	Stone Cliff.		2	
Beechwood C. & C. Co.	No 2	1		
Alaska C. & C. Co.	Alaska.	1		
Ephraim Creek C. & C. Co.	Buffalo.		7	
Ridgeview Coal Co.	Ridgeview	1		
Export Coal Co.	Export	1		
Glendale Colliery Co.	Glendale	1		
Quinnimont Coal Co.	Big Q. & Lick Branch	1		
Greenwood Coal Co.	Greenwood	2		
Hemlock Hollow C. & C. Co.	Hemlock		3	
New River & Pocahontas Cons. C. Co.	Layland.		11	
do	No. 2		4	
do	No. 3		7	
do	No. 4		7	
do	No. 5		5	
The Low Moor Iron Co. of Va.	Kay Moor No. 1		3	
The Goshen Iron Co.	Elverton		1	
South Side Co.	South Side		1	
The Thurmond Coal Co.	No. 1 Concho		2	
do	No. 2 Erskine.		1	
The New River Collieries Co.	Brooklyn		4	
do	Red Ash		2	
do	Rush Run		2	
do	Sun Nos 1, 2 & 3.		6	
The Star C. & C. Co.	Star		2	
Nichol Colliery Co.	Nichol.		3	
McKell C. & C. Co.	Berryhale		2	
do	Kilsyth		4	
Prudence Coal Co.	Prudence, Lyman & Jones	1	3	
Collins Colliery Co.	Nos. 1 & 2		1	
White Oak Fuel Co.	Wingrove		2	
do	Scarbro.		5	
do	Whipple		3	
do	Carlisle		2	
do	Oakwood		1	
Dunn Loop C. & C. Co.	Dunn Loop No. 1		1	
do	do 2		1	
Price Hill Fuel Co.	Sherwood		2	
Turkey Knob Coal Co.	Turkey Knob.		1	
Totals		20	143	1
<i>Kanawha County.</i>				
Blue Creek Coal & Land Co.	Wills Hollow Nos. 1 & 2.		1	
do	Blakeley No. 3		1	
Roderick Coal Co.	Roderick		1	
The Campbells Creek C. Co.	No. 1		5	
Quincy Coal Co. Inc.	No. 2		1	
Sunday Creek Co.	No. 101		1	
do	No. 104		1	
do	No. 105		2	
do	No. 109		1	
Kellys Creek Colliery Co.	No. 1		2	
do	Nos. 3 & 3 ¹ / ₂		2	

*Not Used.

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.—(Continued.)

NAME OF COMPANY.	NAME OF MINE.	Locomotives.		
		Steam.	Electric.	Comp. Air.
<i>Kanawha County.</i> —(Cont'd.)				
Hughes Creek Coal Co.	Hughes Nos. 1 & 2		2	
Cannelton Coal Co.	Cannelton No. 2	1		
The Marmet Coal Co.	Monarch Nos. 1 & 2		2	
do	Butler		2	
Olcott Coal & Iron Co.	Olcott No. 1		2	
do	Olcott No. 2		2	
Winifrede Coal Co.	North Pick & Machine		2	
do	West		1	
Dry Branch Coal Co.	Belmont & Coalburg		2	
Coalburg Colliery Co.	Ronda		1	
Wyatt Coal Co.	Oakley		1	
do	Berlin		1	
do	South		1	
La Mont Mining Co.	La Mont Nos. 2 & 3		1	
Wake Forest Mining Co.	Wake Forest		1	
Carbon Coal Co.	South		2	
do	No. 5 or Splint		1	
Republic Coal Co.	No. 1		1	
do	No. 2		1	
do	No. 3		3	
West Virginia Colliery Co.	No. 1		1	
do	No. 2		2	
Cabin Creek Consolidated Coal Co.	Davis		1	
do	Cherokee		1	
do	Red Warrior		1	
do	Empire		1	
do	Keystone		2	
do	Shamrock		1	
do	Thistle		1	
do	Raccoon		2	
do	Rose		1	
do	Kayford		2	
do	United Gas		1	
do	Belleclare		1	
Paint Creek Collieries Co.	Kiekerbocker	1		
do	Scranton		2	
do	Paint Creek		2	
do	Wacomah		1	
do	Banner No. 1		1	
do	Grose No. 1		1	
do	Grose No. 2		1	
do	Greenbrier No. 2		1	
The Coalburg-Kanawha C. Co.	Coalburg No. 4		1	
Belmont Coal Co.	Old and New Coalburg & Lewiston		1	
Equitable Coal Co.	Coalburg No. 8		2	
Standard Splint & Gas Coal Co.	Standard		1	
Imperial Colliery Co.	No. 1		1	
do	No. 2		1	
do	No. 3		1	
Chesapeake Mining Co.	Chesapeake No. 1	1	1	
do	do Nos. 2 & 3	1		
Montgomery Coal Co.	Montgomery		1	
Morris Creek Coal Co.	Morris Creek		1	
Totals		4	87	
<i>Nicholas County.</i>				
The Columbus Coal Co.	Vaughan No. 1		1	
Bell Creek Coal Co.	Bell Creek	1		
Kentucky Coal & Lumber Co.	Mt. Carmel		1	
do	Cambria		1	
Totals		1	3	

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.—(Continued.)

		Locomotives		
NAME OF COMPANY.	NAME OF MINES.	Steam.	Electric.	Comp. Air.
<i>Raleigh County.</i>				
Big Coal Co.	Dorothy		3	
The New River Collieries Co.	Royal & Mill Creek		1	
do	Lanark Nos. 3 & 4.	1	2	
McKell Coal & Coke Co.	Oswald		1	
do	Sidney		1	
do	Graham		1	
do	Tamroy		1	
Wright C. & C. Co.	Wright No. 1		2	
Stonewall C. & C. Co.	Terry		1	
Piney C. & C. Co.	No. 2		1	
do	No. 3	1	1	
do	No. 6		1	
Raleigh C. & C. Co.	Raleigh No. 3		3	
do	do Nos. 1, 2 & 4		2	
do	do No. 6		2	
Cranberry Fuel Co.	Cranberry		1	
Mabscott C. & C. Co.	Mabscott		1	
Berkley C. & C. Co.	Berkley		2	
Price Hill Fuel Co.	Price Hill		1	
Slab Fork Coal Co.	Nos. 1 & 2		1	
Totals		2	29	
<i>Mercer County.</i>				
Mill Creek C. & C. Co.	Coaldale		4	
do	East & West Mill Creek & Tug River	3		
Buckeye C. & C. Co.	Buckeye	1		
Booth-Bowen C. & C. Co.	Booth-Bowen	2		
Pocahontas Consol. Collieries Co., Inc.	Caswell, Hemlock & Elk-horn	4		
Louisville C. & C. Co.	Louisville & Goodwill		2	
Crystal C. & C. Co.	Crystal		1	
Crane Creek C. & C. Co.	Crane Creek Nos. 1 & 2		2	
Pinnacle C. & C. Co.	Pinnacle N. & S.		2	
Thomas Coal Co.	Thomas		1	
The Weyanoke C. & C. Co.	Weyanoke & Elihu		2	
Piedmont Colliery	Piedmont Nos. 1 & 2	1		
Hiawatha C. & C. Co.	Hiawatha	1		
Spring C. M. Co.	Spring	1		
Wenonah C. & C. Co.	Wenonah		1	
Totals		13	15	
<i>McDowell County.</i>				
Algoma C. & C. Co.	Piney & Northfork	1	2	
Elk Ridge C. & C. Co.	Elk Ridge	3		
Gilliam C. & C. Co.	Gilliam		4	
Indian Ridge C. & C. Co.	Indian Ridge		2	
Roanoke C. & C. Co.	Roanoke		2	
Arlington C. & C. Co.	Arlington		3	
Greenbrier C. & C. Co.	Greenbrier		3	
McDowell C. & C. Co.	McDowell	1	2	
Ashland C. & C. Co.	Ashland & Monitor	3		
Pocahontas Cons. Collieries Co., Inc.	Cherokee	2		
do	Lick Branch		4	
do	Delta		3	
do	Shamokin		5	
do	Norfolk & Angle		6	
do	West		1	
Zenith C. & C. Co.	Nos. 1 & 2		2	
Elkhorn C. & C. Co.	Elkhorn	2		
Mohawk C. & C. Co.	Mohawk	1		
New River & Pocahontas Cons. C. Co.	No. 1		4	
do	No. 2		4	

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES
—1908.—(Continued.)

NAME OF COMPANY.	NAME OF MINE.	Locomotives.		
		Steam.	Electric.	Comp Air
<i>McDowell County—(Con'd.)</i>				
New River & Pocahontas Cons. C. Co.	No. 3.		3	
Big Sandy C. & O. Co.	Big Sandy		2	
do	Marytown		2	
Twin Branch M. Co.	Twin Branch		1	
Maier C. & C. Co.	Maier No. 1		1	
J. B. B. Collieries Co.	J. B. B. No. 2		1	
do	No. 3		1	
do	Nos. 4 & 5		1	
Superior-Pocahontas Coal Co.	Helena		1	
The Pando Coal Co.	Nos. 1 & 2		2	
United States C. & C. Co.	No. 1.		2	
do	No. 2.		3	
do	No. 3		3	
do	No. 4		2	
do	No. 5		1	
do	No. 6		4	
do	No. 7		2	
do	No. 8		2	
do	No. 10		1	
Black Wolf C. & O. Co.	No. 4.		2	
Page C. & C. Co.	No. 1.		2	
do	No. 3		1	
Middle States C. & O. Co.	No. 11.		4	
Dixon-Pocahontas Fuel Co.	North Side		4	
King Coal Co.	King		1	
The Tidewater C. & C. Co.	Tidewater		3	
Peerless C. & C. Co.	Peerless	1		
The Empire C. & C. Co.	Empire		2	
Shawnee C. & O. Co.	Shawnee		2	
Eureka C. & C. Co.	Eureka	2		
Pulaski Iron Co.	Pulaski Nos. 1 & 2.		6	
Keystone C. & O. Co.	Keystone Nos. 1 & 2		2	
Lynchburg C. & O. Co.	Lynchburg		2	
Powhatan C. & O. Co.	Powhatan	2		
Upland C. & C. Co.	No. 1		1	
Houston C. & C. Co.	Nos. 1 & 2		3	
Grozer C. & C. Co.	Nos. 1 & 2		3	
Turkey Gap C. & O. Co.	Turkey Gap	3		
Totals		21	117	
<i>Logan County.</i>				
The Monitor C. & O. Co.	Monitor & Beechwood		2	
The Yuma C. & O. Co.	Yuma		2	
Cora C. & C. Co.	Cora		2	
United States Coal & Oil Co.	Island Creek No. 1		3	
do	do No. 2		2	
do	do No. 3		2	
do	do No. 4		2	
do	do Nos 5 & 6		3	
Totals			19	
<i>Mingo County.</i>				
Chattaroy Colliery Co	Chattaroy			1
Lingohocken Coal Co	Lingohocken No. 1	1		
Red Jacket Consolidated C. & C. Co. Inc.	Rutherford		3	
do	Logan		1	
do	Red Jacket		6	
do	Maritime		1	
do	Lick Fork	1		
Thacker C. & C. Co.	No. 2		1	
do	No. 3		1	
Thacker Fuel Co.	No. 10	1		
Glen Alum Coal Co.	No. 1		1	
do	No. 2		2	
War Eagle Coal Co.	Mephisto	1		
Margaret Mining Co.	Margaret Nos. 1 & 2.			1
Totals		5	16	2

TABLE GIVING THE NUMBER OF MINE OPENINGS; NUMBER OF COKE OVENS; ACRES OF COAL WORKED OUT; NUMBER OF MULES AND HORSES USED AT THE MINES; NUMBER OF MEN KILLED AND INJURED, AND KIND OF VENTILATION FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	Number of Mine Openings.	Total Number of Coke Ovens.	Acres of Coal Worked out From Coal Mines.	No. of Men Killed.	No. of Men Injured Non-Fatally.	No. of Horses and Mules Used at Mines.	No. of Fans.	No. of Furnaces.	Number of Natural Ventilations.	Fire Baskets, Air Shafts, &c.
Brooke	6		83.83	5	1	31	4			
Hancock	3		11.90			11				
Marion	42	961	389.57	372	46	348	23	3	3	1
Marshall	7		55.86	3	5	39				
Ohio	9		23.18			25	5			
Harrison	65	272	371.00	14	57	409	47	9	1	2
Lewis	1		3.60	3	3	4				
Upshur	5	34	14.10			5	3			
Barbour	18	257	118.89	3	9	122	8			
Monongalia	8	416	41.36	1	5	26	4			
Preston	22	923	108.71	4	21	132	15			
Taylor	16	18	46.36			72	4	5	3	
Grant	3		41.70	9	9	38	2			
Mineral	29		92.82	3	7	104	13	3		
Randolph	8	520	62.84	3	6	57	4			
Tucker	14	717	114.66	7	31	35	9			
Braxton	5		14.75	1	3	11				
Gilmer	1		25			12				
Mason	7		18.15			50	4			
Putnam	10		61.35	3	1	75	10			
Clay	4		6.85			27	2			
Fayette	151	3,322	1,224.71	62	176	1,480	106	29	17	
Kanawha	137	90	783.52	23	61	851	108	28	6	
Nicholas	8		15.00			28	3			
Greenbrier	1		7.51			4				
Raleigh	44	60	225.57	16	57	289	28	10		
Marcer	29	1,846	279.97	6	45	273	21	2		
Metchell	109	9,691	1,193.17	82	249	1,070	106	3	2	
Wyoming	4		3.56	2		5				
Lincoln	23		172.62	3	10	112	11	12		
Logan	43		257.43	9	28	330	17	31		
Mingo										
Wayne	1		8.51			8				
Totals	817	19,097	5,915.03	625	842	6,073	565	179	50	10

IMPROVEMENTS.

IMPROVEMENTS REPORTED MADE AT THE MINES DURING THE
YEAR ENDING JUNE 30TH, 1908.

COUNTY.	New Plants	Power Plants.	Coke Ovens.	Fans.	Furnaces.	Tipples	Additional Openings.	Totals.
Brooke.....							1	1
Marion.....	3	2	20	2			3	30
Ohio.....					1			1
Harrison.....	5	3		1		3	2	14
Lewis.....		1						1
Upshur.....	1		4					5
Preston.....	1		72	1		2	1	77
Taylor.....	3	1		2	1	1	1	9
Grant.....	1							1
Mineral.....	2	2		5			1	10
Randolph.....					1			1
Tucker.....	1					1		2
Braxton.....						1		1
Mason.....		1						1
Putnam.....				1				1
Clay.....				1		1		2
Fayette.....	2	7	150	9	4	7	8	187
Kanawha.....	5	7		6		1	6	25
Raleigh.....	5	1		6			1	13
Mercer.....	1	1				1		2
McDowell.....	5	5		7		2	1	20
Wyoming.....	1							1
Logan.....		1		4	1	1	1	8
Mingo.....		1		2	4	1	6	14
Wayne.....						1		1
Totals.....	35	33	246	47	12	23	32	428

STRIKES.

*SUMMARY OF THE STRIKES AT COAL MINES IN WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.*

COUNTY.	Total Number of Mines Reporting Strikes.	Total No. of Employees Thrown out of Em- ployment by Strikes.	Number of Companies Reporting in Full.	Number of Companies Reporting Loss to Employees.	Total Loss Reported to Employees.	Number of Companies Reporting loss to Operators.	Total Loss Reported to operators.
Brooke	2	308	1	1	\$8,000 00	1	\$ 4,500 00

STRIKES AT THE COAL MINES IN WEST VIRGINIA FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Date of		Total Employees for Whom Strike was Undertaken.	Total Employees Before Strike.	Total Employees Thrown Out of Employment by Strike	Termination.		Were Works Closed in Con- sequence.	Length of Time Closed. (Working days).	Cause or Object of Strike.	How Was Strike Settled.	Loss to Employes. \$.....	Loss to Operators. \$.....
	Beginning.	Termination.				Beginning.	Termination.						
Brooke County, Rex No 1.....	108	108	108	108	108	108	April 1, 1908	May 1, 1908	Yes	25	Pending wage agreement.	Operators agreed to pay last year's scale.	\$..... \$.....
Locust Grove.....	250	250	5	200	200	200	April 20, 1908	May 5, 1908	Yes	13	Union miners demanded re- tention of men who violated State Mining Laws, etc.	Dismissal of men involved.	8,000 00 4,500 00

DIRECTORY OF THE MINES.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening	Post Office Address.
<i>Brooke County.</i>						
1	*First	A. Gilchrist & Sons' Coal Co.	107	Gilchrist	drift	Wellsburg
2	"	La Belle Coal Co.	108	Lewis No. 1	drift	Wellsburg
3	"	Beech Bottom Coal Co.	109	Beech Bottom No. 1	drift	Wellsburg
4	"	Lewis-Findley Coal Co.	104	Locust Grove	drift	Colliers
5	"	La Belle Iron Work	105	La Belle	shaft	Steubenville, O.
6	"	Rex Carbon Coal Co.	106	Rex No. 1	drift	Virginville
<i>Hancock County.</i>						
7	First	M. M. Cullen	103	Porter No. 1	drift	New Cumberland
8	"	The Marquet Coal Co.	101	No. 4	drift	"
9	"	"	102	No. 5	drift	"
<i>Marion County.</i>						
10	First	Fairmont Coal Co.	133	Murray	drift	Fairmont
11	"	"	136	Montana	drift	"
12	"	"	128	Shaft	shaft	"
13	"	"	138	New England	drift	"
14	"	"	137	Gaston	drift	"
15	"	"	140	Monongah No. 2 & (No. 5)	slope & drift	"
16	"	"	139	Monongah No. 6	slope	"
17	"	"	142	Monongah No. 8	drift	"
18	"	"	141	Shaver	drift	"
19	"	"	143	Pennois	drift	"
20	"	"	142	a Nichols Farm	drift	"
21	"	"	148	Anderson	drift	"
22	"	"	149	Highland	drift	"
23	"	"	150	Middleton	drift	"
24	"	"	151	Chifton	drift	"
25	"	"	152	Hutchinson	slope	"
26	"	George's Creek Coal & Iron Co.	126	Chatham No. 1	shaft	Farmington
27	"	New Central Coal Co.	130	Stafford	shaft	Fairmont
28	"	Federal Coal & Coke Co.	131	Federal	shaft	Fairmont
29	"	The Virginia & Pittsburg Coal & Coke Co.	153	Kingmont	drift	Fairmont
30	"	Parker Run Coal & Coke Co.	132	Parker Run	drift	Fairmont
31	"	Harry B. Coal Co.	144	Harry No. 1	drift	Fairmont
32	"	"	145	Harry No. 2	drift	"
33	"	Kilarm Coal & Coke Co.	147	Kilarm No. 1	drift	Everson
34	"	"	146	Kilarm No. 2	drift	"
35	"	Pittsburg Steam Coal Co.	"	Elizabeth	drift	Fairmont
36	"	Catawba Coal Co.	134	Catawba	drift	Connells'le, Pa.
<i>Marshall County.</i>						
37	First	Hitchman Coal & Coke Co.	121	Hitchman	slope	Wheeling
38	"	Boggs Run Mining & Manufacturing Co.	119	Boggs Run	drift	Wheeling
39	"	Wheeling Steel & Iron Co.	120	Benwood Mill	drift	Wheeling
40	"	Glendale Coal Co.	122	Glendale	shaft	Glendale
41	"	Mound Coal Co.	123	Mound	shaft	Wheeling
42	"	Panama Coal Mining Co.	125	Panama	shaft	Moundsville
43	"	Bituminous Coal Co. of America	124	Bituminous No. 1	shaft	Moundsville
<i>Ohio County.</i>						
44	First	Richland Coal Co.	110	Richland	drift	Wheeling
45	"	Elm Grove Coal Co.	111	Elm Grove	shaft	Elm Grove
46	"	Wheeling Steam Coal Co.	113	a Wheeling Steam	drift	Wheeling
47	"	Whitaker-Glessner Co.	115	Carter	drift	Wheeling

* First District, R. S. La Rue, Inspector.

a—Abandoned March, 1908.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees	No.
Alex. Gilchrist.....	W. T. Gilchrist.....	Pgh. No. 8	4 - 8	furnace	55	1
O. L. Marquet.....	Charles Higgins.....	Pgh. No. 8	4 - 9	furnace	78	2
Elmer Hough.....	John Wallace.....	Pgh. No. 8	5 - 9	fan	98	3
Peter Neil.....	Charles Mountani.....	Pgh. No. 8	4 - 8	fan	222	4
P. J. Harrigan.....	Peter Harrigan.....	Lo. Free	3-10	fan	129	5
R. T. Donaldson.....	Wm. Gulley.....	Pgh. No. 8	4-10	fan	91	6
M. M. Cullen.....	James McDowel.....	No. 6	4 - 0	furnace	9	7
C. F. Wagoner.....	Wm. Gilmore.....	No. 7a	3 - 6	furnace	71	8
C. F. Wagoner.....	Wm. Lidyard.....	No. 7a	4 - 6	furnace	15	9
J. H. Bainbridge.....	Will Hess.....	Pittsburg	7 - 0	natural	65	10
C. E. Gaskill.....	Hayes Gaskill.....	Pittsburg	7 - 0	fan	157	11
J. J. Brennen.....	S. R. Ferry.....	Pittsburg	7 - 0	fan	222	12
H. C. Ash.....	E. G. Ash.....	Pittsburg	7 - 0	fan	190	13
Geo. Gaskill.....	R. A. Brown.....	Pittsburg	7 - 0	fan	127	14
A. J. Ruckman.....	Elza Levell.....	Pittsburg	7 - 0	fan	106	15
A. J. Ruckman.....	W. B. Jones.....	Pittsburg	7 - 0	fan	165	16
A. J. Ruckman.....	P. C. Vernon.....	Pittsburg	7 - 0	fan	109	17
A. J. Ruckman.....	Elza Levell.....	Pittsburg	7 - 0	2 fans	104	18
Rush Miller.....	John Riggins.....	Pittsburg	7 - 0	fan	103	19
Rush Miller.....	.....	Pittsburg	7 - 0	natural	1	20
Rush Miller.....	Milton Coburn.....	Pittsburg	7 - 0	fan	134	21
Rush Miller.....	John Prunty.....	Pittsburg	7 - 0	fan	146	22
Rush Miller.....	Bland Courtney.....	Pittsburg	7 - 0	fan	97	23
Rush Miller.....	E. E. Henderson.....	Pittsburg	7 - 0	2 fans	133	24
Brooks Fleming, Jr.....	Thos. Burlock.....	Pittsburg	7 - 0	fan	54	25
N. Allen Stockton.....	M. E. Queenon.....	Pittsburg	9 - 0	2 fans	316	26
Duncan Sinclair.....	Thos. Gleason.....	Pittsburg	8 - 6	fan	126	27
Fred C. Lewis.....	John Russell.....	Pittsburg	9 - 0	fan	194	28
R. M. Hite.....	John Brown and Wm. Jarrett.....	Pittsburg	9 - 0	fan	185	29
W. C. Martin.....	W. C. Martin.....	Sewickley	6 - 6	fan	51	30
Harry B. Clarke.....	George Coburn.....	Pittsburg	7 - 0	furnace	40	31
Harry B. Clarke.....	George Coburn.....	Pittsburg	7 - 0	furnace	32	32
C. E. Zeek.....	A. M. Wilson.....	Pittsburg	5 - 6	fan	50	33
C. E. Zeek.....	A. M. Wilson.....	Pittsburg	7 - 0	stack	32	34
Jos. R. Bailey.....	Grant Swisher.....	Pittsburg	7 - 0	furnace	5	35
John J. Buttermore.....	Geo. Rodehever.....	Pittsburg	8 - 0	natural	7	36
W. H. Koch.....	E. C. Pickett.....	Pgh. No. 8	5 - 6	fan	224	37
Phillip Kunz.....	Eugene Miller.....	Pgh. No. 8	5 - 6	fan	52	38
Chalkley Dawson.....	Wm. Turnbull.....	Pgh. No. 8	5 - 6	fan	85	39
E. C. Pickett.....	Mike Freeman.....	Pgh. No. 8	5 - 8	fan	53	40
P. Lowther.....	P. Lowther.....	Pgh. No. 8	5 - 4	fan	33	41
James Exton.....	James Exton.....	Pgh. No. 8	5 - 6	fan	24	42
O. K. Ward.....	J. E. Doty.....	Pgh. No. 8	5 - 6	fan	16	43
P. Leonard.....	Wm. Nixon.....	Pgh. No. 8	5 - 6	fan	93	44
J. B. Chambers.....	Albert Elkey.....	Pgh. No. 8	4 - 6	fan	55	45
P. Leonard.....	A. Rose.....	Pgh. No. 8	4 - 8	furnace	24	46
W. H. Kasley.....	Wm. Magruder.....	Pgh. No. 8	5 - 0	fan	26	47

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Open- ing.	Post Office Address.
<i>Ohio County—Cont'd.</i>						
48	First	Reymann Brewing Co.	114	Manchester.	drift	Wheeling.
49	"	Jochum & Co.	112	b Central	drift	Wheeling
50	"	J. S. Creighton	117	Creighton	slope	Elm Grove.
51	"	Peter Storch & Sons.	118	Storch	drift	Egington Lane
52	"	La Belle Iron Works	116	La Belle	drift	Steubenville.O.
<i>Harrison County.</i>						
53	offsecond	Clarksburg Fuel Co.	220	Fall Run	drift	Fairmont
54	"	"	222	Pinnickinnick	drift	"
55	"	"	249	O'Neil	drifts	"
56	"	"	237	Dixie	drift	"
57	"	"	259	Two Lick	drift	"
58	"	"	265	Interstate	drift	"
59	"	"	225	Despard	drift	"
60	"	Fairmont Coal Co.	201	Enterprise	slope	Fairmont
61	"	"	203	Viropa	drift	"
62	"	"	204	Riverdale	drift	"
63	"	"	208	Ehlen	drift	"
64	"	"	207	Ehlen No. 3	drift	"
65	"	"	209	Solon	drift	"
66	"	"	210	Gypsy No. 5	drift	"
67	"	"	211	Gypsy No. 7	drift	"
68	"	"	213	Meadowbrook No. 1	drift	"
69	"	"	213	Meadowbrook No. 2	drift	"
70	"	Fairmont Coal Co.	216	Globe	drift	Fairmont
71	"	"	217	Dunham	drift	"
72	"	"	227	Ocean	drift	"
73	"	"	226	Columbia	drift	"
74	"	"	238	Robinson Run	drift	"
75	"	"	252	Reynoldsville	drift	"
76	"	"	258	Lynch	drift	"
77	"	"	262	West Fork	drift	"
78	"	Pitts. & Fairm't Fuel Co.	228	Perry No. 1	drift	Fairmont
79	"	"	229	Perry No. 2	drift	"
80	"	"	230	Coaling Station	drift	"
81	"	"	233	Pooz	drift	"
82	"	"	237	Lucas	drift	"
83	"	Va. & Maryld Coal Corp	205	Willard No. 1	drift	Adamston
84	"	"	205	Willard No. 2	drift	"
85	"	Cook Coal & Coke Co.	243	Girard No. 1	drift	Meadow Brook
86	"	"	245	No. 2 at Gir'd No. 1	drift	"
87	"	Corona Coal & Coke Co.	221	Harold	drift	Clarksburg
88	"	Cent'l Fairmont Coal Co.	223	Moore	drift	Clarksburg
89	"	Vincent Coal Co.	224	Vincent	drift	Clarksburg
90	"	Haywood Coal M'ing Co.	222	Monroe	drift	Clarksburg
91	"	Meadow Brook C. & C. Co.	231	Erie	drift	Fairmont
92	"	W. B. Gunton Coal Co.	232	Coverholt	drift	Meadow Brook
93	"	Hero Coal & Coke Co.	234	Hero	drift	Lumberport
94	"	Blue Ridge Coal Co.	235	Thompson	drift	Clarksburg
95	"	Rose-Bud Coal Co.	239	Rosebud	drift	Rosebud
96	"	Monroe Colliery Co.	240	Sylvester	drift	Rosebud
97	"	National Coal Co.	241	Dola	drift	Dola
98	"	Fayette Coal Co.	242	Fayette	drift	Dola
99	"	Short Line Coal Co.	243	Girard No. 2	drift	Dola
100	"	F'm't & Bal're C. & C. Co.	244	Fairmore	drift	Adamston
101	"	Madeira-Hill-Clark C. Co.	245	Goff	drift	Fairmont
102	"	"	246	Waldo	drift	"
103	"	"	251	New Chieftain	drift	"
104	"	"	250	Randolph	drift	"
105	"	Washington Fuel Co.	247	Miller No. 1	drift	Grafton
106	"	"	248	No. 2	drift	"
107	"	O'Gara Coal Mining Co.	253	O'Gara	slope	Clarksburg

b—Idle since November, 1907.

c—Just being opened.

o—Second District, Frank E. Parsons,
Inspector.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superintend-	Name of Mine Fore-	Name of	Thick-	Kind of Venti-	Total Inside	No.
dent.	man.	Coal Bed	ness.	lation	Employees.	
		Worked.	Ft. In.			
C. C. Schmidt.....	John Donohue.....	Pgh. No. 8	5 - 6..	fan.....	10	48
John Jochum.....	John Jochum.....	Pgh. No. 8	4 - 8..	furnace	2	49
J. S. Creighton.....	Daniel Shaw.....	Pgh. No. 8	5 - 0	fan.....	6	50
Peter Storch.....		Pgh. No. 8	5 - 3..	natural.....	4	51
P. J. Harrigan.....	H. Blond.....	Pgh. No. 8	5 - 6..	furnace	13	52
Luke Murray.....	E. A. Vincent.....	Pittsburg	7 - 0	fan.....	53	53
J. H. Nuzum.....	Thos. Pollock.....	Pittsburg	7 - 0..	fan.....	181	54
J. R. Elsess.....	S. S. Schrader.....	Pittsburg	5 - 0..	2 fans.....	76	55
G. W. Eliason.....	G. W. Eliason.....	Pittsburg	7 - 0..	natural.....	14	56
Lowell Childs.....	Chas. F. Gandy.....	Pittsburg	7 - 0..	fan.....	67	57
Lowell Childs.....	J. L. Thomas.....	Pittsburg	7 - 0..	fan.....	51	58
A. W. Rapp.....	Geo. H. Brooks.....	Pittsburg	7 - 0..	natural.....	18	59
H. H. Watson.....	Thos. Smith.....	Pittsburg	7 - 0..	fan.....	183	60
H. H. Watson.....	Floyd Gandy.....	Pittsburg	7 - 0..	fan.....	75	61
H. H. Watson.....	L. W. Lewis.....	Pittsburg	7 - 0..	fan.....	55	62
Thos. Jarrett, Jr.....	E. P. McOlvin.....	Pittsburg	7 - 0..	fan.....	103	63
Thos. Jarrett, Jr.....	E. P. McOlvin.....	Pittsburg	7 - 0..	fan.....	103	64
Thos. Jarrett, Jr.....	O. Bush.....	Pittsburg	7 - 0..	fan.....	90	65
C. F. Ice.....	Bert Russell.....	Pittsburg	7 - 0..	fan.....	120	66
C. F. Ice.....	Bert Russell.....	Pittsburg	7 - 0..	fan.....	67	67
P. B. Robinson.....	C. D. Powell.....	Pittsburg	7 - 0..	fan.....	63	68
P. B. Robinson.....	C. D. Powell.....	Pittsburg	7 - 0..	fan.....	35	69
P. J. McAndrews.....	P. J. McAndrews.....	Pittsburg	7 - 0..	fan.....	58	70
Luke Murray.....	Walter Miller.....	Pittsburg	7 - 0..	fan.....	180	72
K. D. Bailey.....	U. B. Blakesmith.....	Pittsburg	7 - 0..	fan.....	98	73
A. W. Rapp.....	M. J. Rooney.....	Pittsburg	7 - 0..	fan.....	19	74
E. P. Goedecke.....	Adam Gross.....	Pittsburg	7 - 0..	fan.....	22	75
J. R. Elsess.....	Guy Parker.....	Pittsburg	6 - 0..	fan.....	19	76
Lowell Childs.....	B. F. McNemar.....	Pittsburg	7 - 0..	fan.....	22	77
Lowell Childs.....	J. M. Matheney.....	Pittsburg	7 - 0..	furnace.....	83	78
L. W. Smith.....	A. V. Morgan.....	Pittsburg	6 - 0..	fan.....	70	79
L. W. Smith.....	A. V. Morgan.....	Pittsburg	6 - 0..	2 fans.....	42	80
L. W. Smith.....	A. L. Hord.....	Pittsburg	7 - 0..	fan.....	68	81
A. C. Ice.....	W. N. Malone.....	Pittsburg	7 - 0..	fan.....	57	82
A. C. Ice.....	John Walters.....	Pittsburg	7 - 0..	fan.....	17	83
A. Lisle White.....	David Evans.....	Pittsburg	9 - 6..	fan.....	8	84
A. Lisle White.....	David Evans.....	Pittsburg	9 - 6..	furnace.....	88	85
Mat. Mannix.....	Ed. Worcester.....	Pittsburg	7 - 0..	fan.....	22	86
Mat. Mannix.....	Ed. Worcester.....	Pittsburg	9 - 0..	fan.....	72	87
Ed. Clingan.....	Ed. Clingan.....	Pittsburg	8 - 6..	fan.....	50	88
Fred. Howard.....	A. G. Hilburt.....	Pittsburg	9 - 0..	furnace.....	43	89
V. E. Goeke.....	Grant White.....	Pittsburg	8 - 6..	furnace.....	60	90
Seymour McIntyre.....	W. S. Brown.....	Pittsburg	8 - 6..	firebasket.....	70	91
L. L. Crawford.....	Wm. Showhan.....	Pittsburg	8 - 6..	fan.....	92	92
W. B. Guntton, G. M.....		Pittsburg	7 - 9..		16	93
A. A. Ewing.....	Robert Shaffer.....	Pittsburg	7 - 0..	natural.....	10	94
Isham Keith.....	B. H. Stires.....	Pittsburg	9 - 0..	fan.....	23	95
Tony Star.....	Samuel Cromer.....	Pittsburg	7 - 6..	firebasket.....	24	96
B. H. Monroe.....	Chas. Winters.....	Pittsburg	8 - 0..	furnace.....	19	97
Eli Morris.....	C. E. Murphy.....	Pittsburg	7 - 0..	furnace.....	16	98
B. T. Greaves.....	B. T. Greaves.....	Pittsburg	7 - 0..	furnace.....	59	99
Isham Keith.....	Wm. Reed.....	Pittsburg	8 - 0..	fan.....	105	100
A. Lisle White.....	T. J. Westmoreland.....	Pittsburg	8 - 0..	fan.....	30	101
Geo. R. Wunderlich.....	Wm. Ashcraft.....	Pittsburg	8 - 0..	fan.....	128	102
Geo. R. Wunderlich.....	A. G. Coleman & O. J.....	Pittsburg	8 - 0..	fan.....	111	103
Geo. R. Wunderlich.....	Fowler.....	Pittsburg	8 - 0..	fan.....	9	104
Geo. R. Wunderlich.....	W. J. Keefe.....	Pittsburg	7 - 0..	fan.....	9	105
D. E. Brown.....	W. J. Keefe.....	Pittsburg	8 - 0..	furnace.....	4	106
D. E. Brown.....	D. E. Brown.....	Pittsburg	8 - 0..	natural.....	77	107
W. F. Whyte.....	D. E. Brown.....	Pittsburg	6 - 6..	fan.....		
W. F. Whyte.....	C. Van Pelt.....	Pittsburg				

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Open- ing.	Post Office Address.
<i>Harrison Co.—(Cont'd.)</i>						
108	oSecond	Douglass-Rauch C. & C. Co.	254	Phoenix.....	slope	Clarksburg.....
109	"	Pitcairn Coal Co.	256	Pitcairn.....	drift	Clarksburg.....
110	"	Marshall Coal Co.	260	Marshall.....	drift	Mt. Clare.....
111	"	Cork & Hart Coal Co.	261	Cork.....	drift	Fairmont.....
112	"	Hutchinson Fuel & S. Co.	263	Hutchinson No. 1.	drift	Fairmont.....
113	"		264	Hutchinson No. 2.	drift	
114	"	Jane Lew Coal & Coke Co.	265	Fulmer No. 1.....	drift	McWhorter.....
<i>Lewis County</i>						
115	Second..	Jacksonville Coal & C. Co.	270	Sarah B. No. 3....	drift	Jacksonville....
<i>Upshur County.</i>						
116	"	Penns. Cons. Coal Co.	271	dPenco.....	slope	Lorentz.....
117	"	Red Rock Fuel Co.	272	Red Rock No. 1....	drift	Red Rock.....
118	"		273	Red Rock No. 2....	drift	
119	"	Newcomer Coal Co.	274	Newcomer.....	drift	Teter.....
120	"	Buckhannon River C. Co.	275	Florence.....	drift	Adrian.....
<i>Barbour County.</i>						
121	*Third..	Philippi Collieries Co.	355	Meriden No. 1....	drift	Philippi.....
122	"		356	Meriden No. 2....	drift	".....
123	"		357	Meriden No. 3....	drift	".....
124	"		358	Meriden No. 4....	drift	".....
125	"		359	Meriden No. 5....	drift	".....
126	"	Tygarts River Coal Co.	352	Arden.....	drift	Arden.....
127	"	Fairmont Coal Co.	354	Berryburg.....	drift	Fairmont.....
128	"	Laurel Creek Coal Co.	351	Laurel Creek.....	drift	Grafton.....
129	"	The Cent'ry C. of W. Va.	364	Century No. 1....	shaft	Century.....
130	"		365	Century No. 2....	drift	".....
131	"	Grafton Fuel Co.	360	Lillian No. 1....	drift	Grafton.....
132	"		361	Lillian No. 2....	drift	".....
133	"	Penns. Coal Mining Co.	366	Adma.....	drift	Pittston, Pa.
134	"	Davis Coal & Coke Co.	371	Weaver No. 3....	drift	Weaver.....
135	"		370	dPartinor No. 4.	slope	".....
136	"	Miller Coal & Coke Co.	369	Sara.....	drift	Junior.....
137	"	Davis Colliery Co.	372	Junior, No. 4....	drift	Elkins.....
138	"	Midland Coal & Coke Co.	353	Midland.....	shaft	Philippi.....
<i>Monongalia County.</i>						
139	Third...	Opekiska Coal & Coke Co.	304	Opekiska.....	drift	Opekiska.....
140	"	Fairmont Coal Co.	303	Beechwood.....	drift	Fairmont.....
141	"	Elkins Coal & Coke Co.	307	Richard or No. 1.	drift	Morgantown...
142	"		305	Sabraton or No. 5.	drift	".....
143	"	Connellsville Basin Coke Co.	306	No. 2.....	drift	Richard.....
144	"	Connellsville Basin Coke Co.	306	No. 3.....	drift	".....
145	"	Connellsville Basin Coke Co.	306	No. 4.....	drift	".....
146	"	The Great Scott Coal & Coke Co.	301	Great Scott No. 1	drift	Morgantown...
<i>Preston County</i>						
147	Third...	The Austen Coal & Coke Co.	323	Austen No. 1.....	drift	Austen.....
148	"	The Austen Coal & Coke Co.	324	Austen No. 2....	drift	".....
149	"	Hamilton Coal & Coke Co.	327	Newburg.....	shaft	Newburg.....
150	"	Gorman Coal & Coke Co.	322	Gorman No. 2....	drift	Austen.....
151	"		321	West End No. 1..	drift	".....
152	"	Irona Coal Co.	312	Irona No. 1.....	drift	Irona.....
153	"		313	Irona No. 2.....	drift	".....
154	"		314	e Irona No. 3....	drift	".....

* Third District, John F. Bratt, Inspector. a—Abandoned. d—Idle all year.
o—Second District, Frank E. Parsons, Inspector. e—Just being opened

**NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superintend- ent	Name of Mine Fore- man.	Name of Coal Bed Worked.	Thick- ness Ft. In.	Kind of Vent- ilation.	Total Inside Employees	No.
F. O. Brandt	James Howe	Pittsburg	7 - 0	fan	64	108
James A. Jenkins	W. C. Minear	Pittsburg	7 - 9	fan	90	109
George Adams	N. W. Hacker	Pittsburg	8 - 0	fan	109	110
James F. Cook	P. Cook	Pittsburg	8 - 0	natural	25	111
W. G. H. Crawford	W. B. Malone	Pittsburg	8 - 0	fan	73	112
W. G. H. Crawford	W. B. Malone	Pittsburg	8 - 9	fan	113	113
H. R. Fulmer	F. H. Lane	Red Stone	7 - 0	furnace	28	114
Wm. Atkin	Nicholas Cole	Pittsburg	5 - 3	furnace	38	115
Robert Lang, Jr.	W. E. Crothers	Red Stone	4 - 3	fan	116	116
Robert Lang, Jr.	W. E. Crothers	Red Stone	4 - 0	fan	49	117
R. H. Parker	Geo. L. Campbell	Pittsburg	6 - 6	furnace	34	118
I. W. Reckard	I. W. Reckard	Mason's wn	5 - 10	furnace	28	120
C. W. Sandridge	H. D. Hirshman	Up. Free	5 - 6	fan	86	121
C. W. Sandridge	H. D. Hirshman	Up. Free	5 - 6			122
C. W. Sandridge	H. D. Hirshman	Up. Free	5 - 6			123
C. W. Sandridge	H. D. Hirshman	Up. Free	5 - 6			124
C. W. Sandridge	O. T. Malone	Mahoning	4 - 0			125
Chas. A. Cook	A. E. Wood	Up. Free	6 - 0	fan	48	126
W. W. Ferguson	Lee Cottrill	Pittsburg	7 - 0	2 fans	234	127
W. S. Brydon	C. B. Trimble	Up. Free	5 - 9	air shaft	20	128
John Strother	Edward Williams	Red Stone	5 - 6	fan	253	129
John Strother	Edward Williams	Red Stone	5 - 8	furnace	26	130
W. S. Brydon	F. V. Robinson	Mahoning	4 - 0	air shaft	26	131
W. S. Brydon	F. V. Robinson	Up. Free	6 - 0	air shaft	17	132
H. M. Wetzel	John Ensminger	Lo. Free	7 - 8	grate	14	133
W. W. Brewer	J. H. Davis	Up. Free	7 - 0	furnace	50	134
J. W. S. Miller	H. C. Haskins	Up. Free	5 - 2	fan	27	135
L. P. Johnson	J. N. Bibey	Freeport	4 - 6	fan	74	136
W. J. Gilmore	Wm Kooser	Up. Free	5 - 2	fan	54	138
C. B. Marretta	Frank Love	Pittsburg	7 - 0	natural	40	139
H. S. Toothman	Walter Rowe	Pittsburg	7 - 0	natural	58	140
J. B. Hanford	O. T. Banard	Up. Free	4 - 0	fan	109	141
J. B. Hanford	W. J. Banard	Pittsburg	8 - 0	fan	80	142
Geo. R. Saxman	Dennis Connelly	Up. Free	4 - 0	2 fans	130	143
Geo. R. Saxman	Dennis Connelly	Up. Free	4 - 0			144
Geo. R. Saxman	Dennis Connelly	Up. Free	4 - 0			145
A. G. Tait	W. H. Deets	Pittsburg	9 - 6	natural	7	146
F. W. Horschler	A. R. Murphy	Up. Free	4 - 6	fan	108	147
F. W. Horschler	Geo. R. Cook	Up. Free	4 - 6	fan	90	148
F. A. Husted	E. L. Griffiths	Up. Free	3 - 6	2 fans	68	149
Thos. Murphy	Thos. Murphy	Up. Free	4 - 6	fan	54	150
Thos. Murphy	B. F. Williams	Up. Free	4 - 6	furnace	18	151
T. R. Spencer	J. F. Watkins	Up. Free	4 - 5	furnace	91	152
T. R. Spencer	J. F. Watkins	Up. Free	4 - 5	fan	91	153
T. R. Spencer	J. F. Watkins	Up. Free	4 - 5	furnace	154	154

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District	Name of Company.	No.	Name of Mine.	Kind of Opening.	Post Office Address.
<i>Preston County—(Cont'd)</i>						
155	Third	Merchants Coal Co.	318	Tunnelton No. 1	drift	Tunnelton
156	"	"	319	Merchants No. 2	drift	"
157	"	Oakland Coal & Coke Co.	317	Corinth	drift	Corinth
158	"	Kingwood Coal Co.	315	Howesville	drift	Howesville
159	"	Hite Coal & Coke Co.	325	Dixie	drift	Hiorra
160	"	Orr Coal & Coke Co.	326	Vulcan	drift	Hiorra
161	"	Manufacturers Coal & Coke Co.	323	Victoria No. 2	slope	Independence
162	"	Atlantic Coal & Coke Co.	316	Atlantic	drift	Tunnelton
163	"	Elkins Coal & Coke Co.	308	Bretz or No. 2	drift	Morgantown
164	"	"	311	No. 1 at Kingwood	"	"
165	"	"	"	or No. 4	drift	"
166	"	"	311	No. 2 at Kingwood	"	"
167	"	"	"	or No. 4	drift	"
168	"	Preston County Coke Co.	309	Masontown or No. 6	drifts	"
169	"	"	310	Cascade	drift	Cascade
<i>Taylor County.</i>						
168	Third	Grafton Coal & Coke Co.	339	Sandlick	drift	Grafton
169	"	Pittsvein Coal Co.	344	Flemington	drift	Flemington
170	"	L. B. Brydon	335	Brydon	drift	Grafton
171	"	T. B. Davis	343	T. B. Davis	drift	Piedmont
172	"	McGraw Coal Co.	338	New York No. 1	drift	Simpson
173	"	Rosemont Coal Co.	345	Rosemont	drift	Tyconell Mines
174	"	Maryland Coal Co.	340	Wendel No. 1	drift	Grafton
175	"	"	341	Wendel No. 2	drift	"
176	"	"	341	Wendel No. 3	drift	"
177	"	"	342	Wendel No. 4	drift	"
178	"	"	"	Wendel No. 5	drift	"
179	"	Winona Coal & Coke Co.	333	Winona No. 1	drift	"
180	"	"	334	Winona No. 2	drift	"
181	"	The Cecil Coal & Coke Co.	349	Cecil	drift	Cecil
182	"	Harrison Coal Co.	347	Harrison	drift	Tyconell Mines
183	"	East Grafton Coal Co.	"	"	"	Thornton
<i>Grant County.</i>						
184	Fourth	Davis Coal & Coke Co.	421	Henry No. 22	shaft	Henry
185	"	Buffalo Creek Cumberland Coal Co.	423	Buffalo Creek	drift	Bayard
186	"	Cottage Street Coal Co.	424	Cottage Street	drift	Bayard
<i>Mineral County.</i>						
187	Fourth	Davis Coal & Coke Co.	421	No. 6	drift	Elk Garden
188	"	"	428	Wabash No. 9	drift	Wabash
189	"	"	425	Tyson No. 10	drift	Elk Garden
190	"	"	431	Kittanning No. 14	drift	"
191	"	"	429	Kittanning No. 15	drift	"
192	"	"	427	Ott No. 20	drift	"
193	"	"	438	Montgomery Run No. 19	drift	Beryl
194	"	"	439	No. 50	drift	"
195	"	"	440	No. 51	drift	"
196	"	Abrams Creek Coal & Coke Co.	430	Oakmont	drift	Oakmont
197	"	Piedmont Brick & Coal Co.	431	Karr	drift	Piedmont
198	"	Piedmont & Potomac Coal Co.	432	Virginia	drift	Piedmont
199	"	Masteller Coal Co.	433	Hampshire	drift	Keyser
200	"	"	435	New Creek	drift	"
201	"	Smith Coal Co.	435	Smith	drift	Blaine
202	"	Gleason Coal & Coke Co.	436	Gleason No. 2	drift	Dodson, Md.

o—Fourth District. E. V. Byrne, Inspector, until March 1st, 1908. Succeeded by A. A. Springer. c—Just being opened.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superin- tendent.	Name of Mine Fore- man.	Name of Coal Bed Worked.	Thick- ness.	Kind of Ventilation.	Total Inside Employees	No.
			Ft. In			
T. R. Barber	John S. Cummings ..	Up. Free.	4 - 6.	nat & furn	43	155
T. R. Barber	John W. Watkins ..	Up. Free.	4 - 6.	fan	261	156
S. H. Jordan	Bruce Livingood ..	Up. Free.	4 - 0.	fan	45	157
W. B. Edward	W. B. Edward	Lo. Free.	4 - 6.	furnace ..	100	158
R. M. Hite	Alf. Fortney	Up. Free.	4 - 4.	furnace ..	36	159
J. M. Orr	F. E. Dawson	Up. Free.	4 - 4	fan	91	160
John Humphreys ..	John Humphreys ..	Lo. Kittan	5 - 6.	fan	61	161
D. R. Williams	N. H. Hacker	Up. Free.	4 - 6	fan	124	162
J. B. Hanford	J. Y. Ralston	Up. Free.	4 - 0.	fan	131	163
J. B. Hanford	B. R. Beveridge	Up. Free.	4 - 0.	fan	76	164
J. B. Hanford	B. R. Beveridge	Up. Free.	4 - 0.	fan	165	
J. B. Hanford	Joseph Hanford	Up. Free.	4 - 0.	fan	22	166
Everhart Bierer	James Conner	Up. Free.	4 - 0.	furnace ..	28	167
E. J. Fahey	John P. McGraw	Pittsburg	7 - 0.	furnace ..	55	168
J. W. Davidson	G. R. W. Johnson ..	Pittsburg	9 - 0.	fan	80	169
L. B. Brydon	Guy Lake	Pittsburg	8 - 0.	natural ..	8	170
Wm. B. Woolf	Wm. Drainer	Pittsburg	8 - 0.	furnace ..	45	171
John J. Malloy	Oliver Jenkins	Pittsburg	8 - 0.	natural ..	78	172
James Starford	Grant Wickham	Pittsburg	7 - 0.	furnace ..	99	173
Geo. S. Brackett	August Ricker	Pittsburg	6 - 6.	fan	174	
Geo. S. Brackett	August Ricker	Pittsburg	6 - 6.	fan	62	175
Geo. S. Brackett	August Ricker	Pittsburg	6 - 6.	fan	176	
Geo. S. Brackett	August Ricker	Pittsburg	6 - 6.	fan	177	
Geo. S. Brackett	August Ricker	Pittsburg	6 - 6.	fan	178	
F. T. Rowland	Adam Whitehead	Maloning	3 - 10.	furnace ..	26	179
F. T. Rowland	Adam Whitehead	Lo. Free.	5 - 0.	fan	180	
F. W. Jones	Geo. B. Skinner	Up. Free.	4 - 0.	furnace ..	8	181
H. G. Smith	H. G. Smith	Pittsburg	8 - 6.	natural ..	17	182
H. A. Lane	H. G. Smith	Pittsburg	8 - 6.	natural ..	183	
W. J. Christopher ..	M. V. Manley	Up Kittan	5 - 0.	fan	234	184
Richard D. Waddell ..	Richard D. Waddell ..	Lo. Kittan	6 - 0.	fan	160	185
John Jose	O. O. Chenoweth	Up. Free.	4 - 8	furnace ..	18	186
Robert Grant	F. Wilson	Pittsburg	12 - 0.	fan	41	187
Robert Grant	J. E. Ott	Pittsburg	12 - 0.	natural ..	111	188
Robert Grant	B. S. Coleman	Tyson ..	6 - 0.	natural ..	16	189
Robert Grant	F. O. Patton	Up. Free.	4 - 0.	fan	36	190
Robert Grant	John Kilroy	Up. Free.	4 - 0.	furnace ..	4	191
Robert Grant	L. D. Vaughn	Up. Free.	4 - 0.	fan	25	192
O. Tibbetts	Jos. Tibbetts	Lo. Kittan	4 - 0.	fan	29	193
O. Tibbetts	Jos. Tibbetts	Bak'rst'wn	3 - 6.	fan	40	194
O. Tibbetts	Jos. Tibbetts	Bak'rst'wn	3 - 6.	fan	53	195
Thos. Mackey	Thos. Mackey	Up. Free.	4 - 4	fan	48	196
J. W. P. Somerville ..	R. J. Ross	Lo. Kittan	5 - 8.	natural ..	11	197
Daniel Askey	J. S. Brown	Lo. Kittan	6 - 0.	fan	31	198
M. Masteller	Grant Harshbarger ..	Elk Lick	4 - 0.	fan	58	199
M. Masteller	Grant Harshbarger ..	Lo. Kittan	5 - 0.	fan	54	200
R. A. Smith	W. D. Walker	Lo. Kittan	4 - 0.	fan	47	201
J. M. Davis	R. Stottlemeyer	Lo. Kittan	6 - 0.	fan	202	

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Open- ing.	Post Office Address.
<i>Mineral County—(Cont'd)</i>						
203	Fourth	The Big Vein Coal Co. of	442	Big Vein.....	drift	Shaw
204	"	W. Va.		Four-foot	drift	Shaw
205	"	The Big Vein Coal Co. of		Denman No. 4.....	drift	Emoryville....
206	"	W. Va.		Denman Coal Co.	drift	Schell.
		Glade Run Coal & Coke Co.	444	Sarah.	drift	
<i>Randolph County.</i>						
207	Fourth	Davis Coal & Coke Co.	401	Weaver No. 1.....	drift	Weaver
208	"	" " " "	402	Weaver No. 2.....	drift	"
209	"	" " " "	403	Leiter No. 5.....	drift	"
210	"	Davis Colliery Co.	404	Coalton, No. 1.....	drift	Elkins.....
211	"	" " " "	406	Sivad, No. 2.....	drift	"
212	"	" " " "	407	Harding, No. 3.....	drift	"
213	"	" " " "	408	W. Harding, No. 5.....	drift	"
214	"	W. H. Green, Lessee.....	405	Klondyke.....	drift	Mahie
<i>Tucker County.</i>						
215	Fourth	Cumberland Coal Co.	410	No. 1	drift	Albert
216	"	" " " "	409	No. 3	drift	"
217	"	" " " "	409	No. 4	drift	"
218	"	" " " "	409	No. 5	drift	"
219	"	Davis Coal & Coke Co.	413	Thomas No. 23.....	drift	Thomas
220	"	" " " "	412	Pendleton Run.....	drift	"
221	"	" " " "	411	Thomas No. 25.....	drift	"
222	"	" " " "	416	Coketon No. 26.....	drift	"
223	"	" " " "	414	Thomas No. 34.....	shaft	"
224	"	" " " "	418	Coketon No. 35.....	drift	"
225	"	" " " "	415	Coketon No. 36.....	drift	"
226	"	" " " "	417	Coketon No. 37.....	drift	"
227	"	Beacon Coal & Coke Co.	419	Beacon.....	drift	Davis.....
228	"	Gatzmer Coal & Coke Co.	420	Gatzmer No. 1.....	drift	Dobbin.....
<i>Braxton County.</i>						
229	*Fifth	Davis Colliery Co.	581	Bower, No. 10.....	4 drifts	Elkins.....
230	"	" " " "	580	Copen, No. 11.....	drift	"
<i>Gilmer County.</i>						
231	Fifth	Cosmopolitan C. & C. Co.	582	Gilmer No. 1.....	drift	Emert.....
<i>Mason County.</i>						
232	Fifth	Mason City C. & M. Co.	501	Klondike	drift	Mason.....
233	"	" " " "	503	Linden.....	drift	"
234	"	Consumers C. & M. Co.	507	Camden.....	drift	Spelman.....
235	"	Beech Grove Coal Co.	506	Beech Grove.....	drift	Mason.....
236	"	The Liver'1 Salt & C. Co.	502	Jackson.....	drift	Hartford.....
237	"	Hartford Coal & M. Co.	501	Hartford.....	slope	Hartford.....
238	"	Dixie Coal Works.....	505	Dixie	drift	Mason.....
<i>Putnam County.</i>						
239	Fifth	Plymouth C. & M. Co.	509	Plymouth	drift	Plymouth.....
240	"	" " " "	510	Manilla.....	drift	"
241	"	" " " "	511	California.....	drift	"
242	"	Alpha Coal Mining Co.	517	Alpha	drift	Plymouth.....
243	"	The Otto Mar. C. & M. Co.	514	Big Otto No. 1.....	drift	Raymond City
244	"	" " " "	515	Big Otto No. 2.....	drift	"
245	"	" " " "	516	Big Otto No. 3.....	drift	"
246	"	Black Betsey C. & M. Co.	512	No. 1	drift	Black Betsey..
247	"	" " " "	513	No. 2	drift	"
248	"	Oak Forest Coal & M. Co.	508	Oak Forest.....	slope	Oak Forest
<i>Clay County.</i>						
249	Fifth	Dorfee Coal M. Co.	578	Elk Manor.....	drift	Dorfee.....
250	"	Elk River C. & Lum'r Co.	579	Dundon.....	drift	Clay
251	oSev'th	Carter Coal Co.		Carter.....	drift	Scotford
252	"	Ky. Coal & Lumber Co.		Scott	drift	Cambria.....

*—Fifth District, Earl A. Henry, Inspector.

o—Seventh District, William Warner Inspector.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
Owen L. Ball	Wm. Virts	Pittsburg	14 - 0.	natural ..	60	203
Owen L. Ball	Wm. Virts	Four-foot	2 - 3.	fan	38	204
Thos. Taylor	D. S. Seaman	Up. Free.	5 - 0.	furnace ..	20	205
Thos. A. Fleming	Thos. A. Fleming ..	Up Kittan	3 - 4.	furnace ..	21	206
W. W. Brewer	Artie Davis	Up. Free.	7 - 0.	fan	102	207
W. W. Brewer	G. W. Burts	Up. Free.	7 - 0.	fan	74	208
W. W. Brewer	James Lake	Up. Free.	4 - 5.	furnace ..	11	209
F. C. Carnet	John Condry	Up. Free.	7 - 0.	fan	213	210
Joseph Hoylman	Joseph Hoylman ..	Up. Free.	7 - 0.	furnace ..	24	211
W. S. Wilson	Frank Byer	Up. Free.	6 - 6.	fan	99	212
Joseph Hoylman	Joseph Hoylman ..	Up. Free.	6 - 6.	furnace ..	7	213
W. H. Green	W. H. Green	Up. Free.	8 - 6.	furnace ..	12	214
J. B. Jenkins	A. I. Jenkins	Lo. Kittan	7 - 0.	furnace & stack ..	20	215
J. B. Jenkins	A. I. Jenkins	Lo. Kittan	7 - 0.			216
J. B. Jenkins	A. I. Jenkins	Lo. Kittan	7 - 0.	fan	128	217
J. B. Jenkins	A. I. Jenkins	Lo. Kittan	3 - 0.			218
L. S. McDowell	Samuel Hawkshaw ..	Up. Free.	3 - 0.	fan	210	219
L. S. McDowell	Samuel Hawkshaw ..	Up. Free.	7 - 0.	furnace ..	185	220
L. S. McDowell	W. B. Rigglesman ..	Up. Free.	7 - 0.	fan	61	221
M. L. Garvey	Frank Pelican	Up. Free.	5 - 0.	fan	222	222
L. S. McDowell	M. H. Brennan	Lo. Kittan	7 - 0.	fan	100	223
M. L. Garvey	James Christopher ..	Lo. Kittan	6 - 0.	fan	49	224
M. L. Garvey	James Christopher ..	Lo. Kittan	6 - 0.	fan	170	225
M. L. Garvey	Geo. Whitefield	Lo. Kittan	7 - 0.	fan	98	226
W. C. Patterson	E. Close	Lo. Kittan	7 - 0.	fan	68	227
Alex. Waddell	Alex. Waddell	Lo. Kittan	7 - 6.	furnace ..	3	228
R. D. Edwards	Davis Edwards	Pittsburg	6 - 0.	4 furnaces	63	229
R. D. Edwards	Wade Martin	Pittsburg	4 - 0.	furnace ..	29	230
W. H. Martin	Joe Chadwick	Pittsburg	6 - 6.	furnace ..	28	231
C. J. Ryan	C. D. M. Kramer	Pgh. No. 8	4 - 9.	fan	53	232
C. J. Ryan	C. D. M. Kramer	Pgh. No. 8	4 - 9.			233
M. G. Tyler, G. M.	Arthur Mitchell	Pgh. No. 8	4 - 0.	fan	110	234
J. Icenhower	J. Vanmeater	Pgh. No. 8	5 - 0.	natural ..	42	235
H. C. Smith	Samuel Edwards	Pgh. No. 8	4 - 8.	fan	38	236
H. C. Thompson, G. M.	Ken. Harrison	Pgh. No. 8	4 - 6.	fan	26	237
Geo. H. Gress	Ben. Phillips	Pgh. No. 8	4 - 8.	furnace ..	48	238
W. C. Mitchell	Joseph Virgin	Pittsburg	5 - 6.	fan	28	239
W. C. Mitchell	Joseph Virgin	Pittsburg	5 - 6.	fan	105	240
W. C. Mitchell	Joseph Virgin	Pittsburg	5 - 6.	fan	101	241
J. C. Fish	James Hargraves	Pittsburg	4 - 0.	fan	15	242
Edw. Schonebaum	Andrew Utt	Pittsburg	6 - 0.	fan	243	243
Edw. Schonebaum	Robert Fields	Pittsburg	6 - 0.	fan	255	244
Edw. Schonebaum	Robert Fields	Pittsburg	6 - 0.	fan	245	245
Lloyd Parkins	J. W. Hargraves	Pittsburg	5 - 8.	fan	225	246
Lloyd Parkins	J. W. Hargraves	Pittsburg	5 - 8.	fan	247	247
D. L. Thomas	Wm. Thomas	Pittsburg	4 - 6.	fan	25	248
Henry Brooke, G. M.	Thos. L. Pugh	Winfrede	5 - 0.	fan	50	249
A. C. Finley	D. Stoddard	Stockton	6 - 0.	fan	28	250
Wm. Tamplin	L. H. Arthur	Coalburg.	4 - 0.	furnace ..	24	251
L. D. Burns	C. B. Dean	Coalburg.	5 - 6.	furnace ..	26	252

*DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.*

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
<i>Fayette County.</i>						
253	Fifth	Sunday Creek Co.	564	No. 111.	drift	Longacre
254	"	"	565	No. 112.	drift	"
255	"	"	566	No. 114.	2 drifts	"
256	"	"	568	No. 115.	drift	"
257	"	The Columbus Iron & S. Co.	569	No. 1	drift	Martinsburg
258	"	Kanawha Gas Coal Co.	570	Kanawha Gas.	drift	Smithers.
259	"	"	572	Eagle.	drift	"
260	"	W. R. Johnson & Co.	571	Oakland	drift	Smithers.
261	"	Boomer Coal & Coke Co.	573	No. 1	drift	Boomer
262	"	"	575	No. 2 North.	drift	"
263	"	"	574	No. 2 South.	drift	"
264	"	"	576	No. 3.	drift	"
265	Seventh	Paint Creek Collieries Co.	735	Hickory Camp.	drift	Mucklow.
266	"	Eureka Colliery Co.	738	Eureka No. 13.	drift	Bonwood.
267	"	"	739	Eureka No. 14.	drift	"
268	"	W. R. Johnson	740	Eagle No. 1	drift	Crescent
269	"	"	741	No. 5 Splint.	drift	"
270	"	"	741	No. 6 Splint.	drift	"
271	Seventh	The Carver Brothers Co.	736	Mecca No. 2.	drift	Montgomery
272	"	"	737	Mecca No. 3.	drift	"
273	"	"	742	No. 2	drift	Eagle.
274	"	"	743	No. 3.	drift	"
275	"	"	744	No. 1.	drift	"
276	"	"	745	Eagle.	drift	"
277	"	"	745	California.	drift	"
278	"	"	746	No. 5 Splint.	drift	"
279	"	"	747	Diamond.	5 drifts	"
280	"	St. Clair Colliery Co.	748	Eagle.	drift	Eagle
281	"	M. B. Coal & Coke Co.	750	Kimberly	2 drifts	Kimberly
282	"	"	751	Columbia.	drift	"
283	"	"	752	Columbia No. 5	drift	"
284	"	"	753	Elk Ridge No. 1.	drift	"
285	"	"	754	Elk Ridge No. 2.	drift	"
286	"	The Mount Carbon Co. Ltd.	755	Vulcan	drift	Powellton
287	"	Great Kanawha Colliery Co.	757	Brewster	drift	Mt. Carbon
288	"	"	758	Digby	drift	"
289	"	"	756	Edwards	drift	"
290	"	Loup Creek Colliery Co.	759	Ansted	drift	Page
291	"	"	760	Eagle.	drift	"
292	"	Herbert Collieries.	761	Herberton	drift	Herberton
293	"	Fort Defiance Coal & Coke Co.	762	Fort Defiance.	drift	Gauley Bridge.
294	"	Lynchburg Colliery Co.	763	Lynchburg.	drift	Vanetta
295	"	Gamoca Coal Co.	764	No. 2 Gas.	drift	Gamoca
296	"	"	765	No. 5 Splint.	drift	"
297	"	Dietz Colliery Co.	766	Dietz No. 2 Gas.	drift	Wyndal
298	"	"	767	Dietz No. 5 Splint.	drift	"
299	* Eighth	Mill Creek Colliery Co.	801	Mill Creek.	drift	Ansted
300	"	The Gauley Mountain Coal Co.	802	Nova Scotia.	drift	Ansted
301	"	"	803	Turkey Creek.	drift	Ansted
302	"	Croft & Evans.	804	Pine Top	drift	Ansted
303	"	Signal Knob Coal Co.	805	Signal Knob.	drift	Ansted
304	"	Gaymont Colliery Co.	806	Gaymont.	drift	Hawks Nest.
305	"	Sunbury Coal & Coke Co.	807	Sunnyside.	drift	Elmo
306	"	Beury-New River Coal Co.	808	Elmo.	drift	Elmo
307	"	Michigan Coal Co.	809	Michigan.	drift	Fayette
308	"	Manufacturers & Consumers Coal Co.	810	Newlyn.	drift	Fayette

*—Eighth District, J. A. Straughan, Inspector.

e—Just being opened.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superintendent	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees	No.
J. J. Keller	Mike Welch	No. 2 Gas	5 - 6	fan	131	253
J. J. Keller	Sam Mitchell	No. 2 Gas	4 - 9	fan	100	254
J. J. Keller	Wm. Nicholson	No. 2 Gas	5 - 3	2 fans	158	255
J. J. Keller	Wm. Nicholson	No. 2 Gas	5 - 6	fan	158	256
J. H. Ferguson	G. E. Sanford	No. 2 Gas	5 - 4	fan	88	257
Thos. A. Bartlam	John Titlow	No. 2 Gas	5 - 4	fan	80	258
Thos. A. Bartlam	John Titlow	Eagle or No. 1 Gas.	4 - 1	fan	18	259
Thos. A. Bartlam	Benj. Hill	No. 2 Gas.	5 - 4	fan	82	260
W. M. Gillie	Henry Deem	No. 2 Gas.	5 - 6	fan	165	261
W. M. Gillie	Frank Donald	No. 1 Gas.	6 - 6	fan	218	262
W. M. Gillie	Chas. Duncan	No. 1 Gas.	6 - 6	fan	175	263
W. M. Gillie	J. W. Elswick	No. 2 Gas.	5 - 6	fan	185	264
Frank Kearns	R. F. Townsend	Eagle	6 - 2	fan	62	265
H. G. Stewart	J. A. Richards	No. 2 Gas.	4 - 0	fan	51	266
H. G. Stewart	J. A. Richards	No. 5 Splint	5 - 10	natural	60	267
Thos. A. Bartlam	J. V. Bartlam	Eagle	3 - 2	fan	27	268
Thos. A. Bartlam	H. Webster	No. 5 Splint	6 - 6	natural	47	269
Thos. A. Bartlam	H. Webster	No. 6 Splint	4 - 0	furnace	47	270
W. A. Carver	J. H. Tasker	No. 2 Gas	4 - 8	fan	66	271
W. A. Carver	J. M. Armentrout	No. 5 Splint	6 - 6	natural	45	272
W. A. Carver	John E. Carver	No. 2 Gas.	4 - 11	fan	31	273
W. A. Carver	John Thurmond	No. 2 Gas.	4 - 11	fan	40	274
W. A. Carver	John Thurmond	Eagle	4 - 0	fan	23	275
W. A. Carver	John Harrigan	Eagle	4 - 0	fan	30	276
W. A. Carver	John Harrigan	Eagle	1 - 0	fan	30	277
W. A. Carver	Alfred Phillips	No. 5 Splint	6 - 6	natural	25	278
James E. Carver	Ed. Forbes	No. 2 Gas	5 - 10	2 fans	88	279
Louis W. Atkinson	H. O. Young	Eagle	4 - 10	fan	45	280
C. C. Sharp	James E. O. Boyle	No. 2 Gas.	7 - 0	fan	68	281
C. C. Sharp	Walter Gill	No. 2 Gas.	4 - 6	fan	69	282
C. C. Sharp		No. 5 Splint	6 - 2	furnace	283	283
C. C. Sharp	Wm. Hornsby	Powellton	7 - 0	fan	84	284
C. C. Sharp	Lem. Payne	Powellton	7 - 2	fan	74	285
D. T. Evans	James Barr	Powellton	6 - 0	fan	125	286
Ed. Pinkney	John Eads	No. 2 Gas	4 - 6	natural	10	287
Ed. Pinkney	John Eads	No. 2 Gas.	4 - 6	fan	22	288
Ed. Pinkney	John Eads	Eagle	5 - 0	fan	28	289
J. C. R. Taylor, G. M.	D. S. Dooley	No. 2 Gas.	9 - 7	furnace	237	290
J. C. R. Taylor, G. M.	D. S. Dooley	Eagle	6 - 8	furnace	291	291
J. D. Pribble	James Kuhn	Eagle	4 - 0	furnace	47	292
T. R. Ragland	K. E. Smith	No. 2 Gas.	5 - 6	furnace	35	293
T. A. Deitz	J. C. Grissenger	No. 2 Gas.	4 - 0	2 furnaces	75	294
J. M. Campbell	W. H. Thompson	No. 2 Gas.	4 - 0	furnace	120	295
J. M. Campbell	W. H. Thompson	No. 5 Splint	5 - 9	fan	296	296
T. A. Deitz	L. D. Moran	No. 2 Gas	3 - 8	furnace	30	297
T. A. Deitz	L. D. Moran	No. 5 Splint	5 - 6	furnace	32	298
W. H. Evans	J. M. Johnson	* Sewell	3 - 0	fan	10	299
R. C. Taylor	J. A. Martin	No. 2 Gas.	5 - 0	furnace & 3 fans	270	300
R. C. Taylor	J. A. Martin	No. 2 Gas.	5 - 0	natural	18	301
W. H. Evans	Arthur Hudson	No. 2 Gas.	5 - 0	natural	11	302
A. T. Massey	A. T. Massey	No. 2 Gas.	5 - 0	natural	14	303
L. C. Tippet	Thos. Toler	Sewell	3 - 0	fan	25	304
L. C. Tippet	R. J. Morton	Sewell	3 - 0	fan	25	305
L. C. Tippet	J. E. Perkins	Sewell	3 - 0	fan	26	306
James D. Boone	C. E. Sims	* Nuttall	3 - 0	furnace	54	307
P. H. Henry	James W. Sims	Sewell	3 - 0	fan	67	308

* Nuttall and Sewell are different names for the same seam

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
Fayette County—(Cont'd)						
309	Eighth	The Fayette Coal & Coke Co.	811	Fayette.....	drift	Fayette.....
310	"	Brown Coal Co.	832	Brown.....	drift	Nuttallburg.....
311	"	Nuttallburg Coal & Coke Co.	812	Nuttallburg.....	drift	Nuttallburg.....
312	"		813	Keeneys Creek.....	drift	Nuttallburg.....
313	"	Keeneys Cr'k Colliery Co.	817	Smokeless.....	drift	Winona.....
314	"			Smokeless No. 2.....	drift	".....
315	"	Ballinger Coal Co.	816	Ballinger No. 1.....	drift	Nuttallburg.....
316	"		815	Ballinger No. 2.....	drift	".....
317	"	Rothwell Coal Co.	818	Dubree.....	drift	Dubree.....
318	"	Blume Coal & Coke Co.	820	Blume.....	drift	Lookout.....
319	"	Lookout Coal & Coke Co.	821	Lookout.....	drift	Lookout.....
320	"	Moseley & Walker.....	822	No. 1.....	drift	Cliff Top.....
321	"		823	No. 2.....	drift	".....
322	"		824	No. 3.....	drift	".....
323	"	Pennsylvania & New River Coal Co.	825	Kohinoor.....	drift	Pennbrooke.....
324	"	Fire Creek Coal & Coke Co.	827	Fire Creek.....	drift	Fire Creek.....
325	"		828	Buffalo.....	drift	".....
326	"	Beury Brothers Coal & Coke Co.	830	Echo.....	drift	Beury.....
327	"	Big Bend Coal Co.	831	Big Bend.....	drift	Dimmock.....
328	"	Stone Cliff Coal & Coke Co.	832	Stone Cliff.....	drift	Stone Cliff.....
329	"	Beechwood Coal & Coke Co.	833	No. 1.....	drift	Claremont.....
330	"		834	No. 2.....	drift	".....
331	"	Alaska Coal & Coke Co.	835	Alaska.....	drift	Claremont.....
332	"	Ephraim Creek Coal & Coke Co.	836	Buffalo.....	drift	Thayer.....
333	"	Ridgeview Coal Co.	837	Ridgeview.....	drift	Thayer.....
334	"	Export Coal Co.	838	Export.....	drift	Robins.....
335	"	Laurel Creek Coal Co.	839	Laurel.....	drift	Laurel Creek.....
336	"	Glendale Colliery Co.	840	Glendale.....	drift	Lawton.....
337	"	Quinnimont Coal Co.	841	Big Q.....	drift	Quinnimont.....
338	"		842	Lick Branch.....	drift	".....
339	"	Greenwood Coal Co.	843	Greenwood.....	2 drifts	Lawton.....
340	"	Hemlock Hollow Coal & Coke Co.	844	Hemlock.....	drift	Lawton.....
341	"	New River & Pocahontas Consolidated Coal Co.		Layland.....	3 drifts	Gentry.....
342	"		845	No. 1.....	drift	Minden.....
343	"		846	No. 2.....	drift	".....
344	"		847	No. 3.....	drift	".....
345	"			No. 4.....	drift	".....
346	"			No. 5.....	drift	".....
347	"	New River Valley Coal Co.	848	Zachman.....	drift	Fayette.....
348	"	Marrs Branch Coal Co.	849	Whitney.....	drift	Fayette.....
349	Eighth	The Low Moor L. Co. of Va.	851	Kay Moor No. 1.....	drift	Kay Moor.....
350	"		850	Kay Moor No. 2.....	drift	".....
351	"	The Goshen Iron Co.	853	Elverton.....	drift	Caperton.....
352	"	South Side Co.	854	South Side.....	drift	Caperton.....
353	"	The Thurmond Coal Co.	859	No. 1 Concho.....	drift	Concho.....
354	"		860	No. 2 Erskine.....	drift	Erskine.....
355	"	The New River Col's Co.	855	Cunard.....	drift	Prince.....
356	"		856	Brooklyn.....	drift	".....
357	"		857	Red Ash.....	drift	".....
358	"		858	Rush Run.....	2 drifts	".....
359	"		923	Sun No. 1.....	slope	".....
360	*Ninth		924	Sun No. 2.....	shaft	".....
361	"		925	Sun No. 3.....	slope	".....
362	"	The Dungen Coal Co.	901	Dungen No. 1.....	drift	Thurmond.....
363	"		902	Dungen No. 2.....	drift	".....

* Ninth District, John Phillips, Inspector.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superin- tendent.	Name of Mine Fore- man	Name of Coal Bed Worked	Thick- ness. Ft. in.	Kind of Ventilation.	Total Inside Employees.	No.
E. G. Blume	L. D. Rhodes	Sewell ..	3 - 0..	furnace...	70	309
J. A. Boone	A. R. Jones	Sewell ..	3 - 10..	furn & fan	96	310
L. C. Beirne	J. G. Edwards	Sewell ..	4 - 0	fan	78	311
L. C. Beirne	John Sims	Sewell ..	3 - 6..	natural...	30	312
Lee Long	Thos. Seacrist	Sewell ..	3 - 8..	fan	136	313
Lee Long	Chas. Higgins	Sewell ..	3 - 6..	fan	81	314
Geo. Holland	John Ohlinger	Sewell ..	3 - 10..	fan & furn	86	315
Geo. Holland	Fred. Ohlinger	Sewell ..	3 - 8..	natural...	8	316
H. H. Rothwell	M. E. Copley	Sewell ..	3 - 8..	fan	44	317
D. W. Boone	J. A. McCallister	Sewell ..	3 - 8..	fan	105	318
D. W. Boone	Andrew Boone	Sewell ..	3 - 6..	fan & furn	50	319
H. A. Moseley	W. L. Herndon	Sewell ..	3 - 0..	furnace...	25	320
H. A. Moseley	W. L. Herndon	Sewell ..	2 - 6..	furnace...	4	321
H. A. Moseley	W. L. Herndon	Sewell ..	3 - 0..	fan	78	322
S. D. Butler	T. E. Littlejohn	FireCreek	3 - 6..	fan	51	323
H. L. Atkinson	Zeb. Arrington	FireCreek	3 - 2..	natural...	35	324
H. L. Atkinson	Zeb. Arrington	FireCreek	3 - 2..	furnace...		325
H. B. Benry	Peter Wolf	FireCreek	4 - 0	fan	85	326
J. H. Dempsey	O. O. Wiseman	FireCreek	3 - 0..	fan	19	327
J. H. Dempsey	G. D. McDaniel	FireCreek	4 - 0..	fan	115	328
O. C. Beury	R. B. Hanna	FireCreek	4 - 6..	fan	72	329
O. C. Beury	Jas. H. Neal	FireCreek	4 - 6..	fan	34	330
Geo. Lawton	S. M. Peters	FireCreek	4 - 0..	fan	31	331
Geo. Fraser	John Tibbin	FireCreek	3 - 10..	3 fans...	134	332
J. H. Dempsey	J. D. Harris	FireCreek	3 - 6..	furnace...	29	333
E. E. Huddleston	John Coolbaugh	FireCreek	3 - 3..	fan	36	334
J. W. Lawton	Wm. Whitlock	FireCreek	4 - 0	natural...	31	335
C. B. Helwig	J. E. Le Sueur	FireCreek	4 - 0	natural...	58	336
D. H. Phelps	Ed. Gordon	FireCreek	4 - 0..	natural...		337
D. H. Phelps	Ed. Gordon	FireCreek	4 - 0..	natural...	55	338
W. A. Brown	H. C. Peters	FireCreek	4 - 0..	fan	130	339
J. A. Brown	D. S. Brown	Sewell ..	4 - 0..	fan	120	340
H. M. Bertolet	L. Niahodil	FireCreek	4 - 0..	2 fans...	175	341
Robert Watson	B. F. Titlow	FireCreek	3 - 0..	fan	8	342
Robert Watson	Harry T. Woods	Sewell ..	3 - 10..	2 fans...	208	343
Robert Watson	J. L. Huffman	Sewell ..	4 - 1..	2 fans...	241	344
Robert Watson	Lamar Epperly	Sewell ..	3 - 10..	fan	180	345
Robert Watson	J. F. Shearer	Sewell ..	3 - 8..	fan	207	346
James D. Boone	L. F. Hless	Nuttall ..	3 - 0..	furnace...	13	347
James D. Boone	P. A. Ohlinger	Nuttall ..	3 - 0..	furnace...	20	348
Wm. Barrick	F. H. Tibbetts	Sewell ..	3 - 8..	fan	184	349
Wm. Barrick	D. H. Stull	Sewell ..	2 - 8..	furnace...	50	350
L. C. Tippet	Ed. Littlejohn	Sewell ..	4 - 0..	fan	98	351
G. H. Caperton	Robert Boyd	Sewell ..	3 - 8..	fan	80	352
H. L. Atkinson	W. E. Morton	Sewell ..	4 - 0..	fan	81	353
H. L. Atkinson	Thos. C. Burke	FireCreek	4 - 6..	fan	46	354
A. J. King	J. E. Perry	Sewell ..	4 - 0..	natural...	32	355
A. J. King	Edwin Jones	Sewell ..	4 - 2..	fan	70	356
A. J. King	Robert Wallace	FireCreek	5 - 6..	fan	73	357
A. J. King	T. O. Farnsworth	FireCreek	5 - 6..	2 fans...	58	358
G. M. Shoemaker	Wm. Ellis	Sewell ..	5 - 5)			359
G. M. Shoemaker	Wm. Ellis	Sewell ..	5 - 5)	2 fans...	400	360
G. M. Shoemaker	Wm. Ellis	Sewell ..	5 - 5)			361
Leo Schaffer	Geo. W. Eastham	Sewell ..	4 - 5	fan		362
Leo Schaffer	Geo. W. Eastham	Sewell ..	4 - 5	furnace...	48	363

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
<i>Fayette County—Cont'd.</i>						
364	Ninth	Newlyn Coal Co.	906	Newlyn	drift	Newlyn
365	"	Meadow Fork Coal Co.	904	Meadow Fork	drift	Newlyn
366	"	The Star Coal & Coke Co.	911	Star	drift	Red Star
367	"	Laura Mining Co.	907	Laura	drift	Glen Jean
368	"	Nichol Colliery Co.	922	Nichol	drift	Glen Jean
369	"	McKell Coal & Coke Co.	926	Berryhale	drift	Glen Jean
370	"	"	934	Kilsyth	drift	"
371	"	Harvey Coal & Coke Co.	905	No. 1	drift	Harvey
372	"	"	906	No. 2	drift	"
373	"	Prudence Coal Co.	908	Prudence	drift	Prudence
374	"	"	909	Lyman	drift	"
375	"	"	910	Jones	drift	"
376	"	Collins Colliery Co.	912	No. 1	drift	Glen Jean
377	"	"	913	No. 2	drift	"
378	"	White Oak Fuel Co.	914	Wingrove	shaft	Scarbrough
379	"	"	915	Scarbrough	shaft	"
380	"	"	916	Whipple	shaft	Whipple
381	"	"	917	Carlisle	shaft	Carlisle
382	"	"	918	Oakwood	shaft	"
383	"	Stuart Colliery Co.	919	Parral	shaft	Parral
384	"	"	920	Beech Creek	drift	"
385	"	"	921	Stuart	shaft	Stuart
386	"	Dunn Loop Coal & C. Co.	927	Dunn Loop No. 1	drift	Dunnloop
387	"	"	928	Dunn Loop No. 2	drift	"
388	"	"	929	c Dunn Loop No. 3	drift	"
389	"	Macdonald Colliery Co.	931	Macdonald	drift	Macdonald
390	"	Sugar Creek Coal & C. Co.	932	Sugar Creek	slope	Macdonald
391	"	Price Hill Fuel Co.	935	Sherwood	shaft	Price Hill
392	"	Turkey Knob Coal Co.	937	Turkey Knob	drift	Macdonald
393	"	Mt. Hope Coal & C. Co.	933	Baby	drift	Mt. Hope
<i>Kanawha County.</i>						
394	Fifth	Fall's Rock Cannel C. Co.	521	Jones	drift	Charleston
395	"	The Graham Coal Co.	519	Graham	drift	Graham Mines
396	"	The Elk Coal Co.	523	Queen Shoals	drift	Charleston
397	"	"	524	Turner	drift	"
398	"	Lucas Ray Coal Co.	525	d Lucas Ray	drift	Heatherman
399	"	Pen Mar Mining Co.	520	Pen Mar	drift	Big Chimney
400	"	Clendenin Mining Co.	527	Taggart	drift	Clendenin
401	"	The Clay Coal Co.	529	Bradley White Ash	drift	Barren Creek
402	"	Harts Branch Coal Co.	528	Harts Branch	drift	Queen Shoals
403	"	Mill Ck Cannel Coal Co.	518	Mill Creek	drift	Villa
404	"	Blue Ck Coal & Land Co.	530	Wills Hollow No. 1	drift	Charleston
405	"	"	531	Wills Hollow No. 2	drift	"
406	"	"	532	Blakeley No. 3	drift	"
407	"	Roderick Coal Co.	537	Roderick	drift	Quick
408	"	Acme Steam Coal Co.	538	c Acme Steam	drift	Quick
409	"	Williams Coal Co.	539	c Williams	drift	Blakeley
410	"	Kendalia Coal & Coke Co.	540	c Perbelkin No. 1	drift	Blakeley
411	"	Black Hawk Coal Co.	541	Black Hawk	drift	Charleston
412	"	The Campbells Ck C. Co.	543	No. 2	drift	Dana
413	"	"	542	No. 1	3 drifts	"
414	"	Quincy Coal Co., Inc.	546	No. 1	drift	Quincy
415	"	"	517	No. 2	drift	"
416	"	Sunday Creek Co.	548	No. 101	drift	Cedar Grove
417	"	"	549	No. 104	drift	"
418	"	"	550	No. 105	drift	"
419	"	"	551	d No. 106	drift	"
420	"	"	552	d No. 108	drift	"
421	"	"	553	No. 109	drift	"
422	"	"	"	d No. 110	drift	"
423	"	New Cedar Grove C. & B. Co.	554	Boyd	drift	Cedar Grove
424	"	Kellys Creek Colliery Co.	555	No. 1	drift	Ward

c—Just being developed.

d—Idle all year.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
Edward Thomas.....	H. P. Thomas.....	FireCreek	2-10..	natural...	23	364
Edward Thomas.....	Hague Meadows.....	Sewell	5-6..	furnace...	28	365
Geo. W. Jones.....	P. B. Evendoll.....	Sewell	5-0..	fan.....	121	366
Thomas Morgan.....	Thomas Morgan.....	Sewell	5-6..	fan.....	71	367
J. W. Heatherman.....	W. K. Kay.....	Sewell	5-10..	fan.....	100	368
T. A. Lewis.....	Sam Bryan.....	Sewell	5-6..	fan.....	105	369
R. A. McClure.....	Thos. T. Lewis.....	Sewell	5-6..	fan.....	303	370
Fred Dixon, Jr.....	John Dunn.....	Sewell	4-4..	fan.....	75	371
Fred Dixon, Jr.....	John Dunn.....	Sewell	4-4..	fan.....	45	372
J. N. Schweitzer.....	E. J. Roberts.....	Sewell	5-0..	fan.....	99	373
J. N. Schweitzer.....	E. J. Roberts.....	Sewell	5-0..	fan.....		374
J. N. Schweitzer.....	E. J. Roberts.....	Sewell	5-0..	furnace...		375
G. E. Dixon.....	J. W. Wedgewood.....	Sewell	5-6..	fan.....	207	376
G. E. Dixon.....	J. W. Wedgewood.....	Sewell	5-6..	fan.....		377
A. D. Callihan.....	John Holmes.....	Sewell	5-0..	fan.....	117	378
A. D. Callihan.....	Ralph Brabban.....	Sewell	5-0..	fan.....	146	379
B. H. Morrison.....	Wm. Brabban.....	Sewell	5-0..	fan.....	123	380
Edw. Cockburn.....	Wm. Dixon.....	Sewell	4-4..	fan.....	148	381
Edw. Cockburn.....	Isaac Pelter.....	Sewell	4-4..	fan.....	100	382
Wm. Farrell.....	Sam Hale.....	Sewell	4-0..	fan.....	20	383
Wm. Farrell.....	John Powell.....	Eagle	3-10..	furnace...	23	384
James Raisbeck.....	James Raisbeck.....	Sewell	4-3..	fan.....	38	385
James Martin.....	John Burns.....	Sewell	4-6..	fan.....	47	386
James Martin.....	Odey Williams.....	Sewell	5-4..	fan.....	109	387
James Martin.....	.....	Sewell	4-8..	furnace...	.....	388
V. A. Miller.....	Geo. Eary.....	Sewell	4-8..	fan.....	126	389
N. S. Blake.....	F. L. Ramey.....	Sewell	5-9..	fan.....	91	390
H. H. Pinkney.....	S. Hilditch.....	Sewell	4-6..	fan.....	68	391
James Heatherman.....	Ed McCalister.....	Sewell	5-6..	fan.....	111	392
A. P. Bailey.....	O. W. Carman.....	Sewell	5-0..	natural...	15	393
R. B. Young.....	R. B. Young.....	Cannel	2-0..	fan.....	25	394
J. M. Boolittle.....	N. O. Posten.....	N Coalb'g	5-6..	furnace...	26	395
Henry Davis.....	George Miller.....	Mason (?)	4-0..	furnace...	31	396
Henry Davis.....	W. D. Davis.....	Mason (?)	3-6..	fan.....	26	397
.....	.....	No. 5 (?)	3-0..	furnace...	.....	398
Jacob Housholder.....	Jacob Housholder.....	N. Coalb'g	4-0..	furnace...	12	399
.....	Brooks Deel.....	No. 5 (?)	2-10..	furnace...	4	400
G. W. Gaghan.....	Wm. Woodrum.....	No. 5 (?)	4-0..	furnace...	44	401
H. Y. Tucker.....	H. Y. Tucker.....	No. 5 (?)	3-10..	furnace...	13	402
R. W. Brunk.....	R. W. Brunk.....	Cannel	3-0..	fan.....	28	403
D. H. Morton.....	C. W. Elkins.....	No. 5 (?)	4-6..	furnace...	84	404
D. H. Morton.....	C. W. Elkins.....	No. 5 (?)	4-6..	furnace...	61	405
D. H. Morton.....	R. L. Miller.....	No. 5 (?)	4-6..	furnace...	61	406
G. H. Spruce.....	D. D. Williams.....	No. 5 (?)	4-8..	fan.....	55	407
G. H. Spruce.....	.....	No. 5 (?)	5-9..	fan.....	.....	408
S. B. Williams.....	.....	No. 5 (?)	4-6..	natural...	5	409
L. Blenkinsapp.....	.....	No. 5 (?)	4-0..	fan.....	.....	410
.....	Luther Skiles.....	Coalburg	5-0..	natural...	5	411
W. V. Rensford.....	Jefferson Atkins.....	Camp-Crk	5-6..	fan.....	40	412
W. V. Rensford.....	Andrew Calderwood.....	No. 5.....	5-0..	3 fans.....	196	413
J. H. Campbell.....	I. O. Morris.....	Lewiston	3-6..	fan.....	27	414
J. H. Campbell.....	J. M. Kelly.....	No. 5.....	6-6..	furnace...	41	415
W. F. Mandt.....	J. A. Neylan.....	No. 5.....	5-10..	fan.....	84	416
W. F. Mandt.....	D. F. Johnson.....	Coalburg	5-6..	fan.....	32	417
W. F. Mandt.....	Wm. Welch.....	Coalburg	6-6..	2 fans.....	176	418
W. F. Mandt.....	.....	No. 5.....	5-0..	fan.....	.....	419
W. F. Mandt.....	.....	Coalburg	5-0..	fan.....	.....	420
W. F. Mandt.....	D. B. Ross.....	No. 5.....	5-8..	fan.....	50	421
W. F. Mandt.....	.....	Ced Grove	5-0..	fan.....	.....	422
Thos. Boyd.....	L. H. Simms.....	Ced Grove	2-8..	furnace...	20	423
H. T. Smarr.....	Harvey Wills.....	Coalburg	5-0..	fan.....	101	424

* Worked two shifts.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
425	Fifth....	<i>Kanawha County.-Cont'd</i>	556	No. 3	drift	Ward
426	"	Kellys Creek Colliery Co.	557	No. 3½	drift	"
427	"	"	558	d No. 4	drift	"
428	"	Hughes Creek Coal Co....	559	Hugheston No. 2	drift	Hugheston....
429	"	"	560	Hugheston No. 3	drift	"
430	"	Cannelton Coal Co.....	561	Cannelton No. 2	drift	Cannelton
431	"	The Marmet Coal Co.	562	Monarch No. 1.....	drift	Monarch
432	"	"	563	Monarch No. 2.....	drift	"
433	*Sixth..	"	612	Butler	drift	Marmet
434	"	"	614	Butler No. 2	drift	"
435	"	"	613	Butler No. 5	drift	"
436	"	Olcott Coal & Iron Co.	603	Olcott No. 1	drift	Olcott
437	"	"	602	Olcott No. 2	drift	"
438	"	Frank Ellison	615	Peerless	drift	Lewiston
439	"	Winifrede Coal Co.....	616	Gas	drift	Winifrede....
440	"	"	618	South	drift	"
441	"	"	620	North Pick	drift	"
442	"	"	619	North Machine	drift	"
443	"	"	617	West	drift	"
444	"	Dry Branch Coal Co.....	621	Gas or No. 1	drift	Dry Branch....
445	"	"	623	Belmont or No. 3	drift	"
446	"	"	622	Coalburg or No. 2	drift	"
447	"	Coalburg Colliery Co.	624	Ronda	drift	Ronda
448	"	Wyatt Coal Co.....	628	Oakley	drift	Sharon
449	"	"	652	Berlin	drift	"
450	"	"	625	North	drift	"
451	"	"	626	South	drift	"
452	"	Persinger Coal Co.....	627	Wilton	drift	Miami
453	"	La Mont Mining Co.	630	La Mont No. 1	drift	Beth
454	"	"	630	La Mont No. 2	drift	"
455	"	"	631	La Mont No. 3	drift	"
456	"	The Holley & Stephenson Coal & Coke Co.....	632	d No. 1	drift	Eskdale
457	"	"	633	Stephenson No. 2	drift	"
458	"	"	634	Coalburg	drift	"
459	"	"	635	No. 5	drift	"
460	"	Wake Forest Mining Co.	651	Wake Forest	drift	Wake Forest..
461	"	Carbon Coal Co.....	662	North	drift	Carbon
462	"	"	662	South	drift	"
463	"	"	663	No. 5 or Splint	drift	"
464	"	Republic Coal Co.....	664	No. 1	drift	Carbon
465	"	"	665	No. 2	drift	"
466	"	"	666	No. 3	drift	"
467	"	West Virginia Colliery Co.	658	No. 1	drift	Weyaco
468	"	"	658	No. 2	drift	"
469	"	"	659	No. 3	drift	"
470	"	"	660	No. 4	drift	"
471	"	Cabint Creek Con. Coal Co.	636	Davis	drift	Kayford
472	"	"	636	Cherokee	drift	"
473	"	"	637	Caledonia	drift	"
474	"	"	638	Red Warrior	drift	"
475	"	"	639	Buckeye	drift	"
476	"	"	640	Empire	drift	"
477	"	"	641	c Black Tulip	drift	"
478	"	"	642	Keystone	drift	"
479	"	"	643	d Acme	drift	"
480	"	"	644	Shamrock	drift	"
481	"	"	645	Thistle	drift	"
482	"	"	646	Raccoon	drift	"
483	"	"	647	Rose	drift	"
484	"	"	648	Kayford	drift & slope	"
485	"	"	649	Holly	drift	"
486	"	"	650	Quarrier	drift	"

* Sixth District, Bonner H. Hill, Inspector.

d—Idle all year.

c—Just being opened.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness.	Kind of Ventilation.	Total Inside Employees.	No.
			Ft. In.			
H. T. Smarr.....	Harvey Wills.....	Coalburg.	5 - 0	fan.....	135	425
H. T. Smarr.....	Harvey Wills.....	Coalburg.	5 - 0	fan.....		426
H. T. Smarr.....	Harvey Wills.....	Ced Grove	3 - 0	fan.....		427
John W. Moore.....	John Nugent.....	Coalburg.	5 - 0.	fan.....	172	428
John W. Moore.....	B. D. Howery.....	Coalburg.	5 - 0.	fan.....		429
Langdon Lea.....	Neal McCallerty.....	No. 2 Gas.	7 - 0.	fan.....	120	430
R. T. Price.....	Chas. King.....	Ced Grove	3 - 2.	fan.....	89	431
R. T. Price.....	Chas. King.....	Ced Grove	3 - 2.	fan.....		432
R. T. Price.....	Sam Selling.....	Winifrede	4 - 6.	2 fans.....	50	433
R. T. Price.....	Evan Griffith.....	Lens Oak	3 - 0.	fan.....	41	434
R. T. Price.....	John Shephard.....	No. 5.....	6 - 0.	nat & fan.....	38	435
F. H. Palmer.....	B. F. Thorn.....	Blk Band.	3 - 4.	2 fans.....	54	436
F. H. Palmer.....	Geo. Cary.....	Blk Band.	4 - 0.	2 fans.....	64	437
A. M. Wooddredge.....	James Hemmings.....	Peerless.....	2 - 4.	fan.....	31	438
Wm. Orlenton.....	James Burns.....	Peerless.....	2 - 4	fan.....	6	439
Wm. Orlenton.....	John Pritchard, Sr.....	Winifrede	5 - 6	fan.....	101	440
Wm. Orlenton.....	Wm. Stewart.....	Winifrede	5 - 6	fan.....	107	441
Wm. Orlenton.....	Wm. Stewart.....	Winifrede	5 - 6.	fan.....		442
Wm. Orlenton.....	W. H. Belcher.....	Winifrede	4 - 0	fan.....	82	443
S. A. Lewis.....	R. M. Odell.....	Peerless.....	3 - 8	fan.....	37	444
S. A. Lewis.....	R. M. Odell.....	Belmont.....	4 - 2	fan.....	82	445
S. A. Lewis.....	R. M. Odell.....	Coalburg.	4 - 2	fan.....		446
C. F. Slack.....	J. E. Shaffer.....	Coalburg.	6 - 6.	nat & fan.....	105	447
John Laing.....	P. L. Perfater.....	Lewiston.	4 - 0	fan.....	56	448
Wm. Laing.....	Albert Green.....	No. 2 Gas.	5 - 6	fan.....	63	449
John Laing.....	G. B. Combs.....	Coalburg.	6 - 0	fan.....	16	450
John Laing.....	G. B. Combs.....	Coalburg.	4 - 0	fan.....	71	451
J. L. McAlister.....	L. K. McAlister.....	Ced Grove	3 - 4	fan.....	29	452
P. L. James.....	W. P. Gosnay.....	No. 2 Gas.	3 - 8.	fan.....	9	453
P. L. James.....	W. P. Gosnay.....	Lewiston	6 - 0.	fan.....	49	454
P. L. James.....	W. P. Gosnay.....	Lewiston	6 - 0.	fan.....		455
F. H. McClung.....	.....	No. 2 Gas.	3 - 4.	fan.....	59	456
F. H. McClung.....	J. M. McDonough.....	No. 2 Gas.	5 - 0.	fan.....		457
F. H. McClung.....	J. M. McDonough.....	Coalburg.	3 - 8	furnace.....		458
F. H. McClung.....	J. O. Eastham.....	No. 5 Splint	6 - 0.	fan.....	37	459
J. O. Grymes.....	Jesse Gardner.....	No. 2 Gas.	5 - 0	fan.....	58	460
O. A. Cabell.....	Tom Bawldwin.....	No. 2 Gas.	5 - 6.	fan.....	48	461
O. A. Cabell.....	Lee Jenkins.....	No. 2 Gas.	5 - 3.	3 fans.....	110	462
O. A. Cabell.....	L. Jenkins & J. L. White.....	No. 5.....	5 - 8	fan.....	55	463
J. O. Gilmour.....	Cabell Pearse.....	No. 2 Gas.	5 - 8	fan.....	55	464
J. O. Gilmour.....	Owen Meadows.....	No. 2 Gas.	5 - 6.	fan.....	61	465
J. O. Gilmour.....	Joe Winkler.....	No. 2 Gas.	5 - 2.	fan.....	43	466
K. D. Quarrier.....	Geo. Buckles.....	No. 2 Gas.	6 - 0	fan.....	70	467
K. D. Quarrier.....	Geo. Smith.....	No. 2 Gas.	6 - 0.	fan.....	34	468
K. D. Quarrier.....	Chas. Petty.....	Coalburg.	6 - 0	furnace.....	38	469
K. D. Quarrier.....	Robert Walker.....	No. 2 Gas.	4 - 4.	3 furnaces.....	35	470
R. E. Thompson.....	S. J. Jarrett.....	Lewiston	5 - 3.	2 fans.....	49	471
W. A. Otey.....	John Dower.....	No. 2 Gas.	4 - 10.	fan.....	48	472
W. A. Otey.....	John Henry.....	No. 2 Gas.	4 - 6	fan.....	24	473
W. A. Otey.....	J. W. Gay.....	No. 2 Gas.	4 - 9.	fan.....	44	474
M. W. Murphy.....	C. S. White.....	No. 2 Gas.	5 - 10.	fan.....	17	475
M. W. Murphy.....	Wm. Coiner.....	No. 2 Gas.	4 - 9	fan.....	48	476
M. W. Murphy.....	.....	No. 2 Gas.	5 - 9.	fan.....	47	477
M. W. Murphy.....	John T. Scott.....	No. 2 Gas.	5 - 0	fan.....	57	478
Arthur Boyd.....	J. A. Bragg.....	Coalburg.	5 - 6	fan.....	47	479
Arthur Boyd.....	J. W. Stephens.....	No. 2 Gas.	5 - 9.	fan.....	73	480
Arthur Boyd.....	J. W. Stephens.....	No. 2 Gas.	4 - 6.	fan.....	56	481
Arthur Boyd.....	O. C. Fultz.....	No. 2 Gas.	4 - 9.	2 fans.....	57	482
Arthur Boyd.....	Wm. Hornsby.....	Coalburg.	6 - 0	furnace.....	31	483
Arthur Boyd.....	Mory Darby.....	No. 2 Gas.	5 - 9.	2 fans.....	89	484
H. L. Fisher.....	M. J. Fisher.....	No. 2 Gas.	4 - 9.	fan.....	49	485
H. L. Fisher.....	J. W. Barnahue.....	No. 2 Gas.	5 - 6.	fan.....	54	486

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No	District	NAME OF COMPANY	Series No	NAME OF MINE	Kind of Opening	Post Office Address
<i>Kanawha County—Cont'd</i>						
487	Sixth	Cabin Creek Con. Coal Co.	656	United Gas.....	drift	Kayford
488	"	"	657	United Splint.....	drift	"
489	"	"	661	Belleclare	drift	"
490	"	"	654	Ruby	drift	"
491	"	Paint Creek Collieries Co.	601	Reynolds	drift	Olcott
492	"	"	604	Klickerbocker.....	drift	Dungriff.....
493	Seventh	"	710	Scranton	drift	Mucklow.....
494	"	"	711	Paint Creek	drift	"
495	"	"	712	Wacomah	drift	"
496	"	"	713	Banner No. 1	drift	"
497	"	"	714	Banner No. 2	drift	"
498	"	"	716	Detroit	drift	"
499	"	"	717	Morton No. 1	drift	"
500	"	"	718	Morton No. 2	drift	"
501	"	"	719	Nuckolls	drift	"
502	"	"	720	Grose No. 1	drift	"
503	"	"	721	Grose No. 2	drift	"
504	"	"	722	Greenbrier No. 2	drift	"
505	"	"	723	Greenbrier No. 3	drift	"
506	Seventh	The Coalburg-Kaw'na C. Co.	701	d Klondike	drift	Coalburg.....
507	"	"	702	Coalburg No. 4	drift	"
508	"	"	704	d Blue Hole	drift	"
509	"	"	703	e No. 5	drift	"
510	"	Sou' W'm Splint F'el Co.	705	Coalburg	drift	Crown Hill....
511	"	"	706	Lewiston	drift	"
512	"	Belmont Coal Co.	707	Old Coalburg	drift	Crown Hill....
513	"	"	708	New Coalburg	drift	"
514	"	"	"	Lewiston	drift	"
515	"	Equitable Coal Co.	709	Coalburg No. 8	drift	Crown Hill....
516	"	Standard Splint & Gas C. Co.	715	Standard	drift	Standard
517	"	Imperial Colliery Co.	724	No. 1	drift	Burnwell
518	"	"	725	No. 2	drift	"
519	"	"	726	No. 3	drift	"
520	"	Chesapeake Mining Co.	727	Chesapeake No. 1	drift	Handley
521	"	"	728	Chesapeake No. 2	drift	"
522	"	"	729	Chesapeake No. 3	drift	"
523	"	Montgomery Coal Co.	730	Mont'y or H'y Nut	drifts	Montgomery ..
524	"	Morris Creek Coal Co.	734	Morris Creek	drift	Montgomery ..
<i>Nicholas County.</i>						
525	"	The Columbus Coal Co.	769	Vaughan No. 1	drift	Vaughan.....
526	"	"	770	Vaughan No. 2	drift	"
527	"	Bell Creek Coal Co.	768	Bell Creek	drift	Belva
528	"	Ky. Coal & Lumber Co.	772	Mt. Carmel	drift	Cambria
529	"	"	773	Cambria	drift	"
530	"	"	774	National	drift	"
531	"	Arminius Coal Co.	775	Arminius	drift	Scotford
532	"	Paint Creek Collieries Co.	771	Raven	drift	Greendale
<i>Greenbrier County.</i>						
533	Eighth	Elk Lick Coal Co.	865	Lost Flat	drift	Richwood.....
<i>Raleigh County.</i>						
534	Sixth	Big Coal Co.	967	Dorothy	drift	Dorothy
535	Ninth	The New River Col's. Co.	941	Royal	drift	Prince
536	"	"	941	Mill Creek	drift	"
537	"	"	948	Lanark No. 3	drift	"
538	"	"	943	Lanark No. 4	drift	"
539	"	"	973	Eccles No. 11	shaft	"
540	"	"	974	c Eccles No. 12	shaft	"
541	"	McKell Coal & Coke Co.	937	Oswald	drift	Glen Jean
542	"	"	938	Sidney	drift	"
543	"	"	939	Graham	drift	"
544	"	"	940	Tamroy	drift	"

d—Idle all year.

e—Prospect opening.

c—Just being opened.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked	Thickness. Ft. In	Kind of Ventilation	Total Inside Employees	No.
A. P. Scherer.....	G. L. Moran.....	No. 2 Gas.	5 - 3.	fan.....	87	487
A. P. Scherer.....	Dan Holmes.....	Coalburg.	5 - 0.	furnace.....	26	488
A. P. Scherer.....	Joe Filkins.....	No. 2 Gas.	5 - 0.	2 fans.....	41	489
A. P. Scherer.....	John Petry.....	Coalburg.	5 - 0.	furnace.....	32	490
J. R. Mucklow.....	Wm. Glendennin.....	Blk Band.	3 - 9.	fan.....	76	491
J. R. Mucklow.....	W. S. Miller.....	Blk Band.	3 - 4.	furnace.....	73	492
John A. Greene.....	John J. Cox.....	Coalburg.	5 - 0.	fan.....	91	493
John A. Greene.....	T. M. Burke.....	Coalburg.	7 - 6.	fan.....	104	494
John A. Greene.....	Harry Johnson.....	Coalburg.	5 - 2.	fan.....	86	495
John A. Greene.....	D. L. Waters.....	Coalburg.	5 - 6.	fan.....	42	496
John A. Greene.....	D. L. Waters.....	Lewiston.	5 - 6.	furnace.....	36	497
John A. Greene.....	G. G. Babbitt.....	Eagle.	3 - 10.	fan.....	21	498
John A. Greene.....	G. G. Babbitt.....	Eagle.	3 - 10.	furnace.....	24	499
John A. Greene.....	G. G. Babbitt.....	Eagle.	3 - 10.	furnace.....	25	500
Frank Kearns.....	Dan Kelly.....	Eagle.	3 - 9.	furnace.....	48	501
Frank Kearns.....	O. E. Morris.....	Eagle.	3 - 8.	fan.....	22	502
Frank Kearns.....	J. W. Rhodes.....	Powell'n	6 - 9.	fan.....	33	503
Frank Kearns.....	Ed. Simms.....	No. 2 Gas.	4 - 0.	fan.....	58	504
Frank Kearns.....	Lee Patrick.....	Winifrede	5 - 6.	fan.....	49	505
J. A. Willis.....	.....	Ced Grove	2 - 9.	furnace.....	.....	506
J. A. Willis.....	J. W. Burgraff.....	Coalburg.	6 - 0.	fan.....	95	507
J. A. Willis.....	.....	Lewiston.	3 - 6.	furnace.....	.....	508
J. A. Willis.....	.....	No. 5 Splint	5 - 8.	natural.....	.....	509
A. P. Brady.....	Wm. Poff.....	Coalburg.	6 - 6.	fan.....	40	510
A. P. Brady.....	Wm. Poff.....	Lewiston.	4 - 0.	fan.....	14	511
J. R. King.....	G. Payne.....	Coalburg.	6 - 0.	natural.....	.....	512
J. R. King.....	G. Payne.....	Coalburg.	6 - 0.	fan.....	115	513
J. R. King.....	G. Payne.....	Lewiston.	4 - 8.	fan.....	.....	514
E. L. Brewer.....	J. P. Hudnall.....	Coalburg.	4 - 10.	fan.....	88	515
W. S. Wood.....	Ed. Foster.....	Coalburg.	7 - 6.	fan.....	102	516
Quinn Morton.....	Lee Howell.....	Eagle.	5 - 10.	fan.....	71	517
Quinn Morton.....	Geo. Carey.....	Eagle.	3 - 6.	fan.....	48	518
Quinn Morton.....	Homer Howell.....	Eagle.	4 - 0.	fan.....	59	519
J. H. Carter.....	J. F. White.....	Kanawha.	5 - 0.	fan.....	78	520
J. H. Carter.....	Geo. Walker.....	No. 2 Gas.	4 - 7.	fan.....	101	521
J. H. Carter.....	Geo. Walker.....	Coalburg.	4 - 7.	fan.....	.....	522
S. H. Montgomery.....	S. P. Johnson.....	Kanawha.	5 - 0.	fan.....	62	523
F. O. Todd.....	John I. Absalom.....	Kanawha.	4 - 9.	fan.....	42	524
Taylor Hays.....	Hiram J. Walker.....	No. 2 Gas.	4 - 6.	air shaft.....	9	525
Taylor Hays.....	John H. Kirky.....	Lewiston.	3 - 8.	furnace.....	23	526
C. G. Wood.....	O. G. Wood.....	Coalburg.	1 - 0.	fan.....	42	527
L. D. Burns.....	Frank Snyder.....	Coalburg.	4 - 2.	fan.....	20	528
L. D. Burns.....	Charles Burgess.....	Coalburg.	1 - 6.	furnace.....	30	529
L. D. Burns.....	Cryst Bayles.....	Coalburg.	4 - 0.	furnace.....	15	530
G. E. Smith.....	S. W. Smith.....	Coalburg.	4 - 6.	furnace.....	19	531
F. H. Snyder.....	Walter Cuthbertson.....	Lewiston.	3 - 8.	fan.....	25	532
H. W. Armstrong.....	H. P. Jones.....	FireCreek	4 - 0.	fan.....	38	533
Chas. E. Sandberg.....	O. E. Foster.....	Coalburg.	11 - 6.	fan.....	58	534
H. McK. Conner.....	E. O. Hume.....	FireCreek	3 - 2.	furnace.....	40	535
H. McK. Conner.....	E. O. Hume.....	FireCreek	3 - 2.	furnace.....	.....	536
H. McK. Conner.....	Wm. Noble.....	FireCreek	4 - 8.	furnace.....	70	537
H. McK. Conner.....	Chas. A. Lawson.....	Sewell.....	4 - 9.	fan.....	.....	538
J. S. Cheyney.....	T. W. Denison.....	Beckley.	3 - 10.	fan.....	75	539
J. S. Cheyney.....	.....	Beckley.	3 - 6.	fan.....	.....	540
F. B. Hubbard.....	Lon Hundley.....	Sewell.....	4 - 8.	fan.....	89	541
F. B. Hubbard.....	Lon Hundley.....	Sewell.....	4 - 6.	fan.....	25	542
F. Hindson.....	Lewis Lewis.....	Sewell.....	4 - 10.	fan.....	59	543
F. Hindson.....	Lemuel Smith.....	Sewell.....	4 - 10.	furnace.....	18	544

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
545	Ninth ..	<i>Raleigh County—Cont'd.</i>				
546		Wright Coal & Coke Co.	942	Wright No. 1.....	2 drifts	Wright.....
547		Stonewall C. & Coke Co.	943	Wright No. 2.....	drift	.....
548		Stonewall C. & Coke Co.	947	Terry or No. 2.....	drift	Terry.....
549		Stonewall C. & Coke Co.	945	Stonewall No. 3.....	drift	Stonewall.....
550		Piney Coal & Coke Co.	946	Stonewall No. 4.....	drift	.....
551		Piney Coal & Coke Co.	950	No. 2.....	drift	Stanaford.....
552		Piney Coal & Coke Co.	951	No. 3.....	drift	.....
553		Piney Coal & Coke Co.	952	No. 4.....	drift	.....
554		Piney Coal & Coke Co.	954	No. 6.....	drift	.....
555		Raleigh Coal & Coke Co.	957	Raleigh No. 3.....	drift	Raleigh.....
556		Raleigh Coal & Coke Co.	955	Raleigh No. 1.....	drift	.....
557		Raleigh Coal & Coke Co.	956	Raleigh No. 2.....	drift	.....
558		Raleigh Coal & Coke Co.	958	Raleigh No. 4.....	drift	.....
559		Raleigh Coal & Coke Co.	959	Raleigh No. 5.....	drift	.....
560		Raleigh Coal & Coke Co.	960	Raleigh No. 6.....	drift	.....
561		Blue Jay Lumber Co.	961	No. 3.....	drift	Blue Jay.....
562		Sullivan Coal & Coke Co.	962	c Sullivan No. 1.....	drift	Pemberton.....
563		Sullivan Coal & Coke Co.	963	c Sullivan No. 2.....	drift	.....
564		Sullivan Coal & Coke Co.	964	c Sullivan No. 3.....	drift	.....
565		Sullivan Coal & Coke Co.	965	c Sullivan No. 4.....	drift	.....
566		Cranberry Fuel Co.	966	Sprague.....	slope	Sprague.....
567		Cranberry Fuel Co.	967	Skelton.....	slope	Skelton.....
568		Cranberry Fuel Co.	968	Cranberry.....	shaft	Cranberry.....
569		Cranberry Fuel Co.	969	Prosperity.....	shaft	.....
570		Mabscott Coal & Coke Co.	970	Mabscott.....	drift	Mabscott.....
571		Beckley Coal & Coke Co.	972	Beckley.....	slope	Wickham.....
572		Price Hill Fuel Co.	930	Price Hill.....	shaft	Price Hill.....
573		Home Coal Co.	951	Lewis.....	drift	Wickham.....
574		Slab Fork Coal Co.	975	No. 1.....	drift	Slab Fork.....
575		Slab Fork Coal Co.	976	No. 2.....	drift	.....
576		E. E. White Coal Co.	977	c No. 1.....	shaft	Lester.....
576		E. E. White Coal Co.	978	c No. 2.....	shaft	.....
577	*Tenth ..	<i>Mercer County.</i>				
578		Mill Creek Coal & Coke Co.	1026	Coaldale.....	drift	Coopers.....
579		Mill Creek Coal & Coke Co.	1025	East Mill Creek.....	drift	.....
580		Mill Creek Coal & Coke Co.	1025	West Mill Creek.....	drift	.....
581		Mill Creek Coal & Coke Co.	1028	Tug River.....	drift	.....
582		Buckeye Coal & Coke Co.	1030	Buckeye North.....	drift	Freeman.....
583		Buckeye Coal & Coke Co.	1029	Buckeye South.....	drift	.....
584		Booth-Bowen Coal & Coke Co.	1031	Booth-Bowen.....	drift	Freeman.....
585		Pocahontas Consolidated Collieries Co. Inc.	1032	Caswell Hemlock.....	drift	Pocahontas Va
586		Pocahontas Consolidated Collieries Co. Inc.	1033	Caswell Elkhorn.....	drift	.....
587		Louisville Coal & Coke Co.	1035	Louisville.....	drift	Goodwill.....
588		Louisville Coal & Coke Co.	1034	Goodwill.....	drift	.....
589		Cephus Coal Co.	1037	Cephus.....	drift	Godfrey.....
590		Crystal Coal & Coke Co.	1038	Crystal.....	2 drifts	Godfrey.....
591		Crane Creek Coal & Coke Co.	1040	Crane Creek No. 1.....	drift	McComas.....
592		Crane Creek Coal & Coke Co.	1041	Crane Creek No. 2.....	drift	.....
593		Pinnacle Coal & Coke Co.	1042	Pinnacle North.....	drift	.....
594		Pinnacle Coal & Coke Co.	1043	Pinnacle South.....	drift	.....
595		Thomas Coal Co.	1044	Thomas.....	drift	McComas.....
596		Pawanna Coal & Coke Co.	1045	Pawanna.....	drift	Matonka.....
597		The Weyanoke Coal & Coke Co.	1046	Weyanoke No. 1.....	drift	Giatto.....
598		The Weyanoke Coal & Coke Co.	1046	Elihu.....	drift	.....
599		Piedmont Colliery.....	1048	Piedmont No. 1.....	drift	Widemouth.....
600		Piedmont Colliery.....	1048	Piedmont No. 2.....	drift	.....
601	..	The Smokeless Coal & Coke Co.	1049	Smokeless.....	drift	Hiawatha.....
601		Hiawatha Coal & Coke Co.	1050	Hiawatha.....	drift	.....

c—Just being opened.

* Tenth District, David R. Phillips, Inspector.

**NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
Chas. A. Gressang	Arnold E. Ford	FireCreek	3 - 6.	2 fans	72	545
Chas. A. Gressang	J. A. Davis	FireCreek	3 - 6.	fan	52	546
F. M. Lee	Wm. H. Cross	FireCreek	4 - 0.	furnace	53	547
J. A. Brubeck	Wm. Orickmer	Sewell	5 - 0.	furnace	47	548
F. M. Lee	Frank Sample	FireCreek	3 - 0.	furnace	16	549
Chas. E. Jasper	Ed. Nelson	Beckley	6 - 0.	fan	70	550
Chas. E. Jasper	M. L. Maguire	Sewell	4 - 6.	fan	68	551
Chas. E. Jasper	G. J. Richardson	Beckley	6 - 0.	fan	78	552
Chas. E. Jasper	Edward Nelson	Beckley	6 - 0.	fan	80	553
Ernest Chilson	John McArthur	Beckley	4 - 0.	fan	166	554
Ernest Chilson	Terry Conoway	Beckley	4 - 0.	fan		555
Ernest Chilson	Terry Conoway	Beckley	4 - 0.	fan	88	556
Ernest Chilson	Terry Conoway	Beckley	4 - 0.	fan		557
Ernest Chilson	J. T. Robinson	Sewell	3 - 2.	fan	21	558
Ernest Chilson	Ed. Zwilling	Beckley	5 - 0.	fan	73	559
P. C. Lynch	Pat. McQuade	Beckley	5 - 1.	furnace	16	560
Ed. Hope		Beckley	4 - 4			561
Ed. Hope		Beckley	4 - 4	fan &		562
Ed. Hope		Beckley	4 - 4	furnace		563
Ed. Hope		Beckley	4 - 4			564
W. R. Thurmond	E. T. Hudson	Sewell	3 - 6	fan	80	565
W. R. Thurmond	H. V. Kyser	Sewell	3 - 6.	fan	44	566
W. G. Colborn	J. T. Davis	Sewell	4 - 8.	fan	84	567
W. G. Colborn	James Nesbitt, Sr.	Sewell	4 - 6.	fan	64	568
W. J. Elgin	W. D. Lee	Sewell	4 - 4.	fan	67	569
W. J. Elgin	John I. Absalom	Sewell	4 - 4.	fan	170	570
H. H. Pinkney	G. Smith	Sewell	4 - 2.	fan	80	571
M. Thomas	Jesse Thomas	Sewell	4 - 6	air shaft	25	572
W. Gaston Caperton	Wm. Hurt	Beckley	5 - 0.	furnace		573
W. Gaston Caperton	Wm. Hurt	Beckley	5 - 0.	furnace	45	574
E. E. White		Beckley				575
E. E. White		Beckley				576
O. E. F. Burnley	James T. Woods	Poca No 3	8 - 4.	fan	210	577
O. E. F. Burnley	J. W. Johnson	Poca No 3	8 - 0.	fan		578
O. E. F. Burnley	J. W. Johnson	Poca No 3	8 - 0.	fan	182	579
O. E. F. Burnley	H. L. Price	Poca No 3	8 - 0.	fan		580
F. R. Hewitt	J. H. Williams	Poca No 3	5 - 6	fan	109	581
F. R. Hewitt	J. H. Williams	Poca No 3	5 - 6	fan		582
J. P. Bowen	B. F. Bragg	Poca No 3	7 - 6.	fan	95	583
James Ellwood Jones	W. H. Walters	Poca No 3	7 - 6	fan	260	584
James Ellwood Jones	W. H. Walters	Poca No 3	7 - 6	fan		585
Jairus Collins	J. W. Montgomery	Poca No 3	4 - 5.	fan		586
Jairus Collins	J. W. Montgomery	Poca No 3	4 - 5.	fan	150	587
P. J. Vigliani	David Thompson	Poca No 3	5 - 0.	furnace	25	588
R. R. Campbell	Chas. Thompson	Poca No 3	4 - 6.	fan	140	589
T. O. Deanmer	James H. Hughes	Poca No 3	4 - 6	fan		590
T. O. Deanmer	James H. Hughes	Poca No 3	4 - 6	fan	135	591
T. O. Deanmer	James Dewese	Poca No 3	4 - 6.	fan		592
T. O. Deanmer	James Dewese	Poca No 3	4 - 6.	fan	124	593
W. J. Pritchard	T. O. Dooley	Poca No 3	4 - 6.	fan	115	594
J. C. Stras	B. H. English	Poca No 3	4 - 5.	fan	49	595
R. D. Patterson	John Woodyard	Poca No 3	4 - 4	fan		596
R. D. Patterson	John Woodyard	Poca No 3	4 - 4.	furnace	99	597
T. O. Deanmer	O. R. Irving	Poca No 3	4 - 8	fan		598
T. O. Deanmer	O. R. Irving	Poca No 3	4 - 8	fan	48	599
O. N. Moomaw	John Shrewsberry	Poca No 3	5 - 0.	fan	40	600
O. N. Moomaw	Wm. Nunn	Poca No 3	5 - 0.	fan	60	601

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
<i>Mercer County—Cont'd.</i>						
602	Tenth	Spring Coal Mining Co.	1051	Spring	drift	Springton
603	"	Wenonah Coal & Coke Co.	1052	Wenonah	drift	Dott
604	"	T. D. Lee Coal Co.		T. D. Lee	drift	Bramwell
<i>McDowell County.</i>						
605	Tenth	Algoma Coal & Coke Co.	1001	Pinney	drift	Algoma
606	"		1002	Northfork	drift	
607	"	Elk Ridge Coal & Coke Co.	1003	Elk Ridge	drift	North Fork
608	"	Gilliam Coal & Coke Co.	1005	Gilliam	drift	Gilliam
609	"	Indian Ridge Coal & Coke Co.	1007	Indian Ridge	drift	Worth
610	"	Roanoke Coal & Coke Co.	1008	Roanoke	drift	Worth
611	"	Arlington Coal & Coke Co.	1009	Arlington	drift	McDowell
612	"	Greenbrier Coal & Coke Co.	1010	Greenbrier	drift	McDowell
613	"	McDowell Coal & Coke Co.	1011	McDowell	drift	McDowell
614	"	Ashland Coal & Coke Co.	1014	Ashland	drift	Ashland
615	"		1012	Monitor	drift	
616	"	Pocahontas Consolidated Collieries Co. Inc.	1013	Cherokee	drift	Pocahontas, Va
617	"	"	1017	Lick Branch	drift	"
618	"	"	1018	Delta	drift	"
619	"	"	1019	Shamokin	drift	"
620	"	"	1020	Norfolk	2 drifts	"
621	"	"	1022	Angle	drift	"
622	"	"	"	West	drift	"
623	"	Zenith Coal & Coke Co.	1015	No. 1	drift	Crumpler
624	"	"	1016	No. 2	drift	"
625	"	Elkhorn Coal & Coke Co.	1023	Elkhorn	drift	Mayheury
626	O Eleventh	Mohawk Coal & Coke Co.	1101	Mohawk	drift	Mohawk
627	"	New River & Pocahontas Consolidated Coal Co.	1102	No. 1	drift	Berwind
628	"	"	1103	No. 1½	drift	"
629	"	"	1104	No. 2	drift	"
630	"	"	1105	No. 3	drift	"
631	"	Dry Fork Mining & Vestment Co.	1106	War Creek	drift	War
632	"	Hall Mining Co.	1108	No. 1	drift	Yukon
633	"	"	1107	No. 2	drift	"
634	"	Virginia-Pocahontas Coal Co.	1112	No. 1	drift	Coalwood
635	"	"	1113	No. 2 East	drift	"
636	"	"	1113	No. 2 West	drift	"
637	"	"	1114	No. 1½	drift	"
638	"	"	1114	No. 3	drift	"
639	"	"	1115	No. 4	drift	"
640	"	"	1116	No. 5	drift	"
641	"	Vaughan Coal & Coke Co.	1118	Vaughan	drift	Roderfield
642	"	Premier-Pocahontas Collieries Co.	c		drift	Flanagan
643	"	Big Sandy Coal & Coke Co.	1119	Big Sandy	drift	Big Sandy
644	"	"	1120	Marytown	drift	"
645	"	Twin Branch Mining Co.	1123	Twin Branch	drift	Twin Branch
646	"	Mahe Coal & Coke Co.	1124	Mahe No. 1	drift	Twin Branch
647	"	"	1127	Mahe No. 2	drift	"
648	"	J. B. B. Collieries Co.		J. B. B. No. 1	drift	"
649	"	"	1125	J. B. B. No. 2	drift	"
650	"	"		J. B. B. No. 3	drift	"
651	"	"	1126	J. B. B. No. 4	drift	"
652	"	"	1128	J. B. B. No. 5	drift	"
653	El'y'nth	Superior Pocah'tas O. Co.	1132	Blackstone	2 drifts	Hallsville
654	"	"	1134	Davy Crocket	drift	"
655	"	"	1130	Helena	2 drifts	"
656	"	The Pando Coal Co.	1135	No. 1	drift	Pando
657	"	"	1136	No. 2	drift	"

—Eleventh District, James G. Boyd, Inspector.

c—Just being opened.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Foreman.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
M. J. Saunders.....	J. H. Bragg.....	Poca No. 3	4 - 4..	fan.....	121	602
E. L. Harris.....	Ed. Lucas.....	Poca No. 3	4 - 2..	fan.....	50	603
T. D. Lee.....		Poca No. 3	6 - 0..	natural...	2	604
Wm. J. Beury.....	M. F. Hensley.....	Poca No. 3	6 - 6..	fan.....	150	605
Wm. J. Beury.....	H. W. Pippin.....	Poca No. 3	6 - 6..	fan.....	606	606
L. E. Tierney.....	H. F. Oreakman.....	Poca No. 3	6 - 6..	fan.....	120	607
Morris Watts.....	John W. Yost.....	Poca No. 3	5 - 6..	fan.....	125	608
A. D. Rice.....	H. H. Taylor.....	Poca No. 3	5 - 0..	fan.....	114	609
W. O. Easley.....	W. L. Marshall.....	Poca No. 3	5 - 6..	fan.....	72	610
Morris Watts.....	Alfred Hall.....	Poca No. 3	5 - 6..	fan.....	85	611
Jairus Collins.....	O. W. Atkinson.....	Poca No. 3	6 - 0..	fan.....	95	612
H. W. Rawson.....	J. C. Lavern.....	Poca No. 3	5 - 6..	2 fans.....	175	613
T. J. O'Neil.....	E. Sheets.....	Poca No. 3	4 - 8..	fan.....	614	614
T. J. O'Neil.....	L. Bolen.....	Poca No. 3	4 - 8..	fan.....	207	615
James Ellwood Jones.....	Ellis Sheets.....	Poca No. 3	5 - 6..	fan.....	165	616
James Ellwood Jones.....	R. S. Whitehead.....	Poca No. 3	7 - 6..	fan.....	285	617
James Ellwood Jones.....	R. S. Whitehead.....	Poca No. 3	8 - 0..	fan.....	290	618
James Ellwood Jones.....	R. S. Whitehead.....	Poca No. 3	7 - 6..	fan.....	275	619
James Ellwood Jones.....	R. S. Whitehead.....	Poca No. 3	7 - 6..	fan.....	500	620
James Ellwood Jones.....	R. S. Whitehead.....	Poca No. 3	7 - 6..	fan.....	621	621
James Ellwood Jones.....	W. H. Walters.....	Poca No. 3	10 - 6..	fan.....	28	622
S. S. Coffman.....	J. M. Watt.....	Poca No. 3	4 - 6..	fan.....	65	623
S. S. Coffman.....	J. M. Watt.....	Poca No. 3	4 - 6..	fan.....	624	624
R. S. Ord.....	L. B. Holliday.....	Poca No. 3	8 - 0..	fan.....	205	625
W. T. Heatherman.....	W. T. Heatherman.....	Welch.....	6 - 0..	fan.....	76	626
Geo. P. Daniels.....	Hy Reid.....	Poca No. 3	4 - 6..	fan.....	52	627
Geo. P. Daniels.....	Hy Reid.....	Poca No. 3	4 - 6..	fan.....	45	628
Geo. P. Daniels.....	L. H. Carter.....	Poca No. 3	4 - 6..	2 fans.....	62	629
Geo. P. Daniels.....	O. H. Rhodes.....	Poca No. 3	4 - 6..	2 fans.....	26	630
Paris Charter.....	J. M. Carter.....	WarCreek	4 - 0..	furnace...	10	631
H. M. Meyers.....	B. C. Oordle.....	WarCreek	5 - 10..	fan.....	60	632
H. M. Meyers.....	B. C. Oordle.....	WarCreek	5 - 10..	natural...	60	633
John Stewart.....	G. F. Ratliff.....	Welch.....	4 - 10..	fan.....	43	634
John Stewart.....	Tom Fisher.....	Welch.....	4 - 2..	3 fans.....	37	635
John Stewart.....	Tom Fisher.....	Welch.....	4 - 2..	3 fans.....	636	636
John Stewart.....	J. L. Vance.....	Welch.....	5 - 1..	2 fans.....	51	637
John Stewart.....	J. L. Vance.....	Welch.....	5 - 1..	2 fans.....	638	638
John Stewart.....	J. L. Vance.....	Welch.....	5 - 1..	2 fans.....	639	639
John Stewart.....	John Clark.....	WarCreek	4 - 0..	fan.....	10	640
R. H. Gilly.....	R. H. Gilly.....	Welch.....	4 - 3..	fan.....	35	641
Frank P. Harman, Pres.						642
Wm. McFarlane.....	W. H. Wilson.....	Welch.....	3 - 6..	2 fans.....	125	643
Wm. McFarlane.....	Abraham Short.....	Welch.....	3 - 5..	fan.....	148	644
D. M. Woody.....	W. A. Lilly.....	Welch.....	3 - 8..	fan.....	250	645
D. M. Woody.....	J. B. Lilly.....	Welch.....	3 - 8..	fan.....	150	646
D. M. Woody.....	C. P. Woody.....	Welch.....	3 - 8..	fan.....	50	647
D. M. Woody.....	Kirby Brogan.....	Welch.....	3 - 8..	fan.....	125	648
D. M. Woody.....	M. J. Brogan.....	Welch.....	3 - 8..	fan.....	300	649
D. M. Woody.....	J. C. Short.....	Welch.....	3 - 8..	fan.....	80	650
D. M. Woody.....	C. P. Woody.....	Welch.....	3 - 8..	fan.....	70	651
D. M. Woody.....	O. L. Perkins.....	Welch.....	4 - 0..	2 fans.....	116	652
F. M. Cook.....	L. Huford.....	Welch.....	3 - 0..	fan.....	72	653
F. M. Cook.....	Lace McGuire.....	Welch.....	3 - 0..	fan.....	34	654
T. N. Daugherty.....	S. Yost.....	Welch.....	3 - 6..	fan.....	75	655
T. N. Daugherty.....	S. Yost.....	Welch.....	3 - 6..	fan.....	656	657

* This Coal is also claimed to be the Sewell.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
658	El'y'nth	<i>McDowell County—Cont.</i>				
659		Atlas Pocahontas C. Co.	1138	Antler No. 3.....	drift..	Antler.....
660			1137	Antler No. 4.....	drift..	Antler.....
661		Oregon Coal Co.	1139	Imo.....	drift..	Hemphill.....
662			1140	McClaren.....	drift..	.....
663		Slick Rock Coal Co.	1141	Slick Rock.....	drift..	Welch.....
663		Jed Coal & Coke Co.	1142	Jed.....	shaft..	Jed.....
664		United States C. & C. Co.	1143	No. 1.....	shaft..	Gary.....
665		"	1144	No. 2.....	drift..	".....
666		"	1145	No. 3.....	drift..	".....
667		"	1146	No. 4.....	drift..	".....
668		"	1147	No. 5.....	drift..	".....
669		"	1148	No. 6.....	drift..	".....
670		"	1149	No. 7.....	drift..	".....
671		"	1150	No. 8.....	2drifts	".....
672		"	1151	c No. 9.....	2drifts	".....
673		"	1152	No. 10.....	drift..	".....
674		"	1153	No. 11.....	2drifts	".....
675		"	1154	c No. 12.....	drift..	".....
676		Black Wolf C. C. Co.	1155	No. 4.....	2drifts	Dearing.....
677		Page Coal & Coke Co.	1157	No. 1.....	drift..	Page.....
678		"	1158	No. 2.....	drift..	".....
679		"	1159	No. 3.....	drift..	".....
680		Welch Coal & Coke Co.	1160	Welch.....	drift..	Welch.....
681		Hemphill Colliery Co.	1161	Hemphill.....	drift..	".....
682		Middle States C. & C. Co.	1162	No. 11.....	shaft..	Olmsted.....
683		Dixon-Pocahontas Fuel Co.	1163	North Side.....	shaft..	Olmsted.....
684		"	1164	South Side.....	shaft..	".....
685		Cirrus Coal & Coke Co.	1165	Cirrus No. 1.....	slope..	Big Four.....
686		Virginia Fuel Co.	1166	Virginia.....	slope..	Big Four.....
687		King Coal Co.	1167	King.....	slope..	Vivian.....
688		The Tidewater C. & C. Co.	1168	Tidewater.....	drift..	Vivian.....
689		Bottom Creek C. & C. Co.	1169	Bottom Creek.....	drift..	".....
690		Peerless Coal & Coke Co.	1170	Peerless.....	drift..	Vivian.....
691		The Empire Coal & C. Co.	1171	Empire.....	drift..	Landgraff.....
692		Shawnee Coal & Coke Co.	1172	Shawnee.....	drift..	Eckman.....
693		Eureka Coal & Coke Co.	1173	Eureka.....	drift..	Eckman.....
694		Pulaski Iron Co.	1174	Pulaski No. 1.....	drift..	Eckman.....
695		"	1175	Pulaski No. 2.....	drift..	".....
696		Keystone Coal & C. Co.	1176	Keystone No. 1.....	drift..	Keystone.....
697		"	1177	Keystone No. 2.....	drift..	Keystone.....
698		Lynchburg Coal & C. Co.	1178	Lynchburg.....	drift..	Kyle.....
699		Powhatan Coal & C. Co.	1179	Powhatan.....	drift..	Powhatan.....
700		Upland Coal & Coke Co.	1180	No. 1.....	drift..	Elkhorn.....
701		Houston Coal & Coke Co.	1181	No. 1.....	drift..	Elkhorn.....
702		"	1182	No. 2.....	drift..	".....
703		Grozer Coal & Coke Co.	1183	No. 1.....	drift..	Elkhorn.....
704		"	1184	No. 2.....	drift..	".....
705		Turkey Gap C. & C. Co.	1185	Turkey Gap.....	drift..	Ennis.....
706		<i>Wyoming County.</i>				
		William Tolliver.....		Rich Knob.....	drift..	Maben.....
		<i>Lincoln County.</i>				
707		Branchland Coal Co.	1201	Branch Land.....	drift..	Branchland.....
708		"	1203	d Brown City.....	drift..	".....
709		Southern Fuel Co.	1202	Southern.....	drift..	Branchland.....
710		Mitchell & Bates.....	1204	Eden Park.....	drift..	Sand Creek.....
711		<i>Logan County.</i>				
		Prudential Coal & M. Co.	1205	Prudential.....	drift..	Big Creek.....

*Twelfth District, Patrick A. Grady, Inspector.

d—Idle all year.

c—Just being opened.

**NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superin- tendent.	Name of Mine Fore- man.	Name of Coal Bed Worked.	Thick- ness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
James A. Henchey	Matt Hall	Welch	3 - 6	fan	55	658
James A. Henchey	Matt Hall	Welch	3 - 6	natural		659
E. L. Munn	John Kirby	Welch	5 - 9	fan		660
E. L. Munn	John Kirby	Welch	5 - 9	fan	63	661
G. L. Smith	Fred. Knight	Welch	3 - 6	furnace		662
Wm. Leckie	J. R. Davis	Poca. No. 3	5 - 0	fan	60	663
F. E. King	John Langton	Poca. No. 3	5 - 9	fan	190	664
		Poca. No. 4	6 - 0			
E. M. Esser	M. Connelley	Poca. No. 4	6 - 0	fan	195	665
W. A. Wilson	M. P. Brady	Poca. No. 4	4 - 10	fan	183	666
John Kearns	Lee Sexton	Poca. No. 3	6 - 0	fan	130	667
John Kearns	O. Reedy	Poca. No. 3	7 - 0	fan	71	668
M. H. Idston	John Maurice	Poca. No. 4	6 - 6	fan	168	669
F. A. Kearns	A. H. Hahn	Poca. No. 4	7 - 0	2 fans	205	670
J. C. H. Lubken	K. O. Brent & Thos. McParland	Poca. No. 4	6 - 0	2 fans	102	671
J. C. H. Lubken	M. McParland	Poca. No. 4	7 - 6	2 fans		672
I. H. Dunn	J. V. Rhodes	Poca. No. 3	4 - 6	fan	46	673
I. H. Dunn	Wm. Pack	Poca. No. 4	5 - 0	2 fans	36	674
		Poca. No. 3	5 - 5			
		Poca. No. 3	6 - 6			675
E. C. Berkeley	Ed. Buchanan	Poca. No. 4	6 - 0	fan	51	676
J. R. Bailey	J. A. Gallimore	Poca. No. 3	7 - 6	fan	195	677
J. R. Bailey	H. T. Hanna	Poca. No. 3	7 - 6	fan		678
J. R. Bailey	J. A. Gallimore	Poca. No. 3	7 - 6	fan		679
F. J. Baxter	Thos. Phipps	Welch	4 - 0	fan	34	680
F. J. Baxter	M. A. Hurley	Welch	4 - 0	fan	30	681
Harry E. Cameron	Frank Blackburn	Poca. No. 4	5 - 6	fan	81	682
J. P. Davis	W. A. White	Poca. No. 4	5 - 0	fan	47	683
J. P. Davis	M. M. Lilly	Poca. No. 4	5 - 0	fan	8	684
Thos. A. Shewey	E. J. Flanagan	Poca. No. 3	5 - 2	2 fans	41	685
J. A. Staton	J. A. Staton	Poca. No. 4	4 - 0	furnace	7	686
J. W. Malsby	W. H. Sanford	Poca. No. 3	5 - 3	fan	158	687
J. W. Malsby	S. B. Campbell	Poca. No. 3	5 - 3	3 fans	183	688
S. W. Patterson	A. Sturm	Poca. No. 3	6 - 0	2 fans	159	689
R. Y. Luther	Thos. Weldon	Poca. No. 3	6 - 6	fan	118	690
Wm. B. Ord	T. R. Barrett	Poca. No. 3	5 - 10	fan	230	691
Morris Watts	M. A. Sexton	Poca. No. 3	6 - 9	fan	110	692
L. E. Tierney	C. C. Hughes	Poca. No. 3	7 - 0	fan	175	693
Percival Johnson	J. M. Shank	Poca. No. 3	6 - 2	fan	214	694
Percival Johnson	J. M. Shank	Poca. No. 3	6 - 2	fan		695
J. K. F. Steele	George Cooper	Poca. No. 3	6 - 6	fan	172	696
J. K. F. Steele	L. A. Morriss	Poca. No. 3	6 - 6	fan		697
L. E. Tierney	T. W. Fitzsimmons	Poca. No. 3	7 - 0	fan	190	698
L. E. Tierney	A. J. Dalton	Poca. No. 3	7 - 0	2 fans	109	699
John J. Lincoln	J. A. Grantham	Poca. No. 3	7 - 8	fan	155	700
Benjamin Lewis	J. O. Kershaw	Poca. No. 3	8 - 0	fan	150	701
Benjamin Lewis	Geo. Guy	Poca. No. 3	8 - 0	fan		702
E. H. Evans	R. B. Smith	Poca. No. 3	8 - 0	fan	160	703
E. H. Evans	J. McGriekard	Poca. No. 3	8 - 0	fan		704
W. H. McQuail	J. P. Johnson	Poca. No. 3	8 - 0	2 fans	300	705
Wm. Tolliver	Charley Wells	Poca. No. 4	2 - 6	natural	4	706
V. N. Johnson	J. C. Fennimore	Kanawha	6 - 0	furnace	66	707
G. W. Coyle	G. W. Coyle	Stockton	7 - 0	furnace	24	708
B. Bates	R. McKenzie	Kanawha	2 - 6	furnace	10	709
S. C. Fisher	Dan Music	Camp. Crk	4 - 6	furnace	25	710

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.**

No.	District.	Name of Company.	Series No.	Name of Mine.	Kind of Opening.	Post Office Address.
<i>Logan County—Cont'd.</i>						
712	Twelfth	Stone Branch Coal Co....	1206	No. 1.....	drift	Stone Branch.
713	"	"	1206	No. 2.....	drift	"
714	"	Big Creek Coal Co.....	1207	Big Creek.....	drift	Kitchen.....
715	"	E. R. Johnson Coal Co....	1208	c E. R. Johnson..	drift	Logan.....
716	"	Draper Coal & Coke Co....	1209	Draper.....	drift	Logan.....
717	"	H. T. Wilson Coal Co.....	1210	Wilson.....	drift	Logan.....
718	"	Fort Branch Coal Co.....	1211	Fort Branch.....	drift	Fort Branch..
719	"	Price Coal Co.....	1212	Price.....	drift	Ethel.....
720	"	Ilex Coal & Coke Co.....	1213	Rex.....	drift	Ethel.....
721	"	The Logan Coal Co.....	1214	Logan No. 1.....	drift	Ethel.....
722	"	Ethel Coal Co.....	1215	Ethel.....	drift	Ethel.....
723	"	The Monitor C. & C. Co....	1216	Monitor.....	drift	Logan.....
724	"	"	1217	Beechwood.....	drift	"
725	"	The Yuma Coal & C. Co....	1218	Yuma.....	drift	Logan.....
726	Twelfth	The Gay Coal & C. Co.....	1219	Gay.....	drift	Logan.....
727	"	Cora Coal & Coke Co.....	1220	Cora.....	drift	Cora.....
728	"	United States C. & Oil Co..	1226	Island Creek No. 1	drift	Holden.....
729	"	"	1225	No. 2.....	drift	"
730	"	"	1221	No. 3.....	drift	"
731	"	"	1222	No. 4.....	drift	"
732	"	"	1223	No. 5.....	drift	"
733	"	"	1224	No. 6.....	drift	"
<i>Mingo County.</i>						
734	"	Pearl Coal Mining Co.....	1230	Haggerty.....	drift	Dingess.....
735	"	Ajax Coal Co.....	1232	Ajax.....	drift	Eugene.....
736	"	The Wal't Hills C. & M. Co.	1233	Walnut Hills.....	drift	Naugatuck...
737	"	Warfield Coal Co.....	1234	Warfield.....	shaft	Kernit.....
738	"	Hatfield Colliery Co.....	1238	Hatfield.....	drift	Rucker.....
739	"	Chattaroy Colliery Co.....	1239	Chattaroy.....	5 drifts	Chattaroy....
740	"	The Buffalo Collieries Co..	1240	Buffalo.....	drift	Chattaroy....
741	"	Lingohocken Coal Co.....	1241	Lingohocken No. 1	drift	Chattaroy....
742	"	Howard Colliery Co.....	1242	Howard.....	drift	Chattaroy....
743	"	Winifrede Cons. C. Co.....	1243	Sugar Tree.....	5 drifts	Goodman.....
744	"	Williamson C. & C. Co.....	1245	Williamson No. 1	drift	Williamson....
745	"	"	1246	No. 2.....	drift	"
746	"	Rawl Coal & Coke Co.....	1247	No. 1.....	drift	Rawl.....
747	"	"	1248	No. 2.....	drift	"
748	"	Merrimac Coal & Coke Co..	1249	Coaling Station..	drift	Merrimac.....
749	"	"	1250	Commercial.....	drift	"
750	"	Belvedere Gas Coal Co.....	1251	d Alma.....	drift	Sprigg.....
751	"	Marvin Coal Co.....	1252	Marvin.....	drift	Matewan.....
752	"	Red Jacket Consolidated Coal & Coke Co., Inc....	1253	Rutherford.....	drift	Red Jacket....
753	"	"	1254	Logan.....	drift	"
754	"	"	1255	Red Jacket.....	drift	"
755	"	"	1259	Maritime.....	drift	Thacker.....
756	"	"	1262	Lick Fork.....	drift	"
757	"	"	1264	f Grapevine.....	drift	Edgarton.....
758	"	Mate Creek Coal Co.....	1256	No. 1.....	drift	Matewan.....
759	"	"	1257	No. 2.....	drift	Matewan.....
760	"	Lynn Coal & Coke Co.....	1258	Lynn.....	drift	Thacker.....
761	"	Thacker Coal & Coke Co..	1260	No. 2.....	drift	Thacker Mines
762	"	"	1261	No. 3.....	drift	"
763	"	Thacker Fuel Co.....	1263	No. 10.....	drift	New Thacker..
764	"	Majestic Collieries Co.....	1265	Cedar.....	drift	Cedar.....
765	"	Glen Alum Coal Co.....	1266	No. 1.....	drift	Glen Alum.....
766	"	"	1267	No. 2.....	drift	"
767	"	War Eagle Coal Co.....	1271	d War Eagle.....	drift	War Eagle.....

c—Just being opened.

d—Idle all year.

f—Closed indefinitely December 5, 1907.

NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superin- tendent.	Name of Mine Fore- man.	Name of Coal Bed Worked	Thickness. Ft. In.	Kind of Ventilation	Total Inside Employees	No.
G. M. Brennan	G. M. Brennan	Winifrede	4 - 0.	fan	50	712
G. M. Brennan	G. M. Brennan	Winifrede	4 - 0.	furnace		713
W. T. Oliver	John Early	Kanawha	4 - 0.	furnace		714
		Winifrede				715
R. O. Heyser	F. R. Kitchen	Winifrede	5 - 0.	furnace	96	716
R. O. Heyser	James Carson	Winifrede	4 - 6.	fan	50	717
O. E. Stafford	G. H. Campbell	Winifrede	4 - 6.	furnace	48	718
O. E. Price	O. E. Price	Winifrede	5 - 0.	furnace	33	719
J. P. Kinzer	Geo. Bolan	Winifrede	5 - 8.	furnace	30	720
S. T. Lambert	W. L. McGinnis	Winifrede	5 - 0.	furnace	62	721
O. A. Devenny	James Spicer	Winifrede	5 - 3.	furnace	49	722
J. E. Barlow	E. M. Stevens	Winifrede	7 - 0.	fan	108	723
J. E. Barlow	E. M. Stevens	Winifrede	7 - 0.	fan		724
O. K. Robertson	W. L. Stevens	Winifrede	6 - 6.	fan	45	725
H. S. Gay	F. Kellerman	Winifrede	5 - 9.	fan	50	726
O. W. Jones	E. B. Truax	Winifrede	6 - 0.	fan	46	727
James O. Beebe, G. M. { Paul Hardy, Supt. }	H. Polner	No. 2 Gas.	6 - 6.	2 fans	197	728
Paul Hardy	G. W. Lax	No. 2 Gas.	6 - 6.	2 fans	213	729
Paul Hardy	F. A. Sharpe	No. 2 Gas.	6 - 6.	fan	67	730
Paul Hardy	F. A. Sharpe	No. 2 Gas.	6 - 6.	furnace	60	731
Paul Hardy	W. B. Sims	No. 2 Gas.	6 - 6.	furnace	79	732
Paul Hardy	W. B. Sims	No. 2 Gas.	6 - 6.	furnace		733
J. F. Kent	Geo. Castle	Lo Kittan	4 - 4.	fan	34	734
H. M. Bailey	Geo. Morgan	Winifrede	5 - 0.	furnace	12	735
F. D. Buskirk	P. O. Castle	Coalburg.	4 - 10.	furnace	32	736
B. Moore	B. D. Pinson	Lo Kittan	4 - 6.	furnace	41	737
J. R. White	O. O. New	Winifrede	4 - 6.	furnace	38	738
O. E. Tabor	H. V. Hackworth	Winifrede	6 - 0.	4 furnaces	64	739
S. V. Preston	James Prefrey	Winifrede	4 - 8.	fan	45	740
W. P. Buckwalker	J. H. Boisdan, Jr.	Winifrede	4 - 10.	fan	60	741
W. S. Estler	R. G. Olaytor	Winifrede	6 - 0.	furnace	56	742
W. A. Lindsey	H. H. Kelly	Winifrede	6 - 6.	5 furnaces	34	743
L. B. Ramsey	Lee Adkins	M. Kittan	4 - 4.	furnace	20	744
L. B. Ramsey	Lee Adkins	Lo Kittan	4 - 2.	fan	45	745
R. N. Taylor	Lyss Webb	Lo Kittan	4 - 4.	furnace	19	746
R. N. Taylor	E. Murphy	Kittan	4 - 2.	fan	16	747
Thos. Brazeal	E. B. Varney	Br'wnst'n	3 - 6.	furnace	30	748
Thos. Brazeal	E. B. Varney	Lo Kittan	3 - 6.	fan	42	749
W. H. Adams		Br'wnst'n	3 - 6.	furnace		750
J. A. Williams	W. H. Artis	Br'wnst'n	4 - 0.	furnace	48	751
W. R. Wilburn	George Wilburn	Thacker.	4 - 8.	fan	135	752
W. R. Wilburn	G. W. Barney	Thacker.	4 - 8.	fan	24	753
W. R. Wilburn	W. W. Wilson	Thacker.	4 - 6.	fan	199	754
R. H. Buchanan	D. F. Carnes	Thacker.	4 - 6.	fan	54	755
R. H. Buchanan	Bass Price	Thacker.	7 - 0.	2 furnaces	100	756
R. H. Buchanan	Wm. Musser	Thacker.	12 - 0.	2 furnaces	84	757
S. T. Lambert	J. T. Dickerson	M. Kittan	4 - 2.	furnace	12	758
S. T. Lambert	J. T. Dickerson	Thacker.	4 - 0.	furnace		759
James Collins	W. M. Cox	Thacker.	4 - 0.	furnace	12	760
James Collins	Wm. Pontious	Thacker.	6 - 6.	fan	63	761
James Collins	Peter Kerr	Thacker.	6 - 6.	fan	143	762
James Collins	Chas. Sigman	Thacker.	6 - 6.	furnace	46	763
A. B. Rawn	L. Harrison	Lo Kittan	2 - 8.	furnace	21	764
E. O. Lambert	Jas. Gent	Thacker.	6 - 0.	fan	80	765
E. O. Lambert	Frank McCluskey	Thacker.	6 - 0.	fan	54	766
		Kittan	6 - 0.	furnace		767

*DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1908.*

No.	District.	Name of Company	Series No.	Name of Mine.	Kind of Oper- ing.	Post Office Address.
		<i>Mingo County—Cont'd</i>				
768	Twelfth	.....	1269	Pappoose	drift ..	War Eagle.....
769	"	.....	1270	Mephisto	drift ..	"
770	"	.....	1268	Star	drift ..	"
771	"	Margaret Mining Co.	1272	Margaret No. 1	drift ..	War Eagle.....
772	"	The Mingo Block C. Co.	c No 1	3drifts		Williamson....
		<i>Wayne County.</i>				
773	"	East Lynn Coal Co.	1227 1228 1229	Nos. 1, 2 & 3	drift	East Lynn.....

c—Just being opened

**NAME OF SUPERINTENDENT, NAME OF MINE FOREMAN, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superinten- dent.	Name of Mine Fore- man.	Name of Coal Bed Worked.	Thickness.	Kind of Venti- lation.	Total Inside Employees.	No.
			Ft. In.			
Geo. W. Coffey.....	John K. Coffey.....	Kittan....	6 - 0..	fan & furn.	73	768
Geo. W. Coffey.....	John Earnest.....	Kittan....	6 - 0..	furnace ..	104	769
Geo. W. Coffey.....	Lee Wirt.....	Lo Kittan..	5 - 4..	fan.....	60	770
A. H. Dangerfield	L. J. Blankenship....	Thacker..	5 - 6..	fan.....	56	771
Henry M. Payne.....	Albert McKinney....	Winifrede	10 - 3..	natural..	.....	772
		Thacker..	8 - 6..			
		No. 2 Gas.	4 - 0..			
Adam Lindley.....	Adam Lindley.....	Winifrede	3 - 6..	furnace.	57	773

ACCIDENTS.

COMPARATIVE STATEMENT OF THE NUMBER OF MEN EMPLOYED, MEN KILLED, AND THE PRODUCTION OF
COAL FROM 1883 TO 1908. (COMMERCIAL MINES.)

FOR YEAR ENDING	No. of Inside Em- ploys.	No. of Outside Em-ployes.	Total Employes (excluding Coke Men.)	Killed by falls of coal, slate and roof.	Killed by Cars.	Killed by Explo- sions.	Killed by other causes.	Total Killed	Total tons of coal mined (tons of 2,240 lbs)	Tons mined for each inside Em- plove.	Tons mined for each person kill- ed inside.	No. of persons killed inside for every 1,000 in- side employes.	No. inside em- ploys for every person killed inside.
December 31, 1883.....	5,343	1,051	6,394	17	3	.....	.....	20	2,805,565	525	147,661	3.55	281
December 31, 1884.....	4,627	1,724	6,351	16	4	.....	.....	23	2,901,042	927	150,404	3.64	274
December 31, 1885.....	5,486	1,806	7,292	4	2	3	3	48	3,006,091	548	153,024	7.23	136
December 31, 1886.....	6,081	1,181	7,262	27	2	39	2	31	3,213,063	528	157,394	4.26	234
From January 1, 1887 to June 30, 1888.....	7,269	1,187	8,456	27	2	.....	.....	13	3,809,223	739	187,839	1.41	706
June 30, 1889.....	7,764	1,242	9,006	9	2	.....	.....	36	4,566,839	568	415,169	2.61	382
June 30, 1890.....	9,173	2,324	11,497	21	2	.....	.....	36	5,643,946	615	235,168	2.78	359
June 30, 1891.....	10,434	2,589	13,023	22	4	.....	.....	36	7,281,430	640	251,084	2.90	336
June 30, 1892.....	11,776	2,118	13,894	27	6	.....	.....	72	7,777,570	660	222,216	4.71	212
June 30, 1893.....	14,204	1,086	15,290	54	8	.....	.....	5	9,758,054	686	145,642	3.50	285
June 30, 1894.....	15,682	1,902	17,584	49	6	.....	.....	83	9,428,065	601	171,419	4.73	211
June 30, 1895.....	16,692	1,896	18,588	51	12	1	8	65	11,937,408	591	124,988	2.86	349
June 30, 1896.....	20,257	1,814	22,071	48	7	.....	.....	62	11,571,900	678	192,865	3.51	284
June 30, 1897.....	17,069	2,047	19,116	67	12	2	6	87	14,154,865	761	186,248	4.08	244
June 30, 1898.....	18,592	2,148	20,740	67	13	4	8	80	16,100,130	820	203,799	6.02	248
June 30, 1899.....	19,634	2,461	22,095	64	15	.....	.....	141	18,736,911	858	140,879	4.09	164
June 30, 1900.....	21,820	2,815	24,635	91	15	57	8	130	20,115,901	858	140,879	4.70	212
June 30, 1901.....	25,693	3,417	29,110	76	20	29	5	120	23,179,063	866	210,716	3.96	252
June 30, 1902.....	27,720	4,023	31,743	79	23	32	11	139	22,735,698	866	210,716	4.82	207
June 30, 1903.....	30,450	5,151	35,601	96	19	32	12	159	26,814,713	743	134,651	3.38	295
June 30, 1904.....	36,316	5,665	41,981	95	23	32	10	140	36,814,713	785	218,006	4.41	227
June 30, 1905.....	39,903	5,875	45,778	105	28	39	22	194	31,323,029	738	177,972	6.11	163
June 30, 1906.....	40,865	6,531	47,396	99	26	114	29	268	37,223,474	910	148,894	7.34	136
June 30, 1907.....	44,147	7,309	51,456	139	38	159	20	356	39,860,311	903	123,026	12.24	82
June 30, 1908.....	48,938	7,555	56,493	158	41	382	44	625	39,187,010	801	62,699	5.28	189
Totals.....	505,895	76,967	582,902	1,431	322	908	223	2,884	385,006,242	761	133,544		

* Accidents for 2nd District only. * No report for 1st District.

FATAL ACCIDENTS, INSIDE AND OUTSIDE, 1893 TO 1902, INCLUSIVE.
Inside.

CAUSES	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	Totals.	Percent- age.
Falls of coal, roof and slate	54	49	51	48	47	67	64	61	76	79	596	71.12
Mine cars.....	5	4	9	4	6	6	7	11	11	13	76	9.07
Explosions of gas.								50	10		61	7.28
Explosions of powder, dust and shots.....	5		15	1	2	1	4	6	19	7	60	7.16
Mules.....			1						1		2	.24
Mine machines.....	1								1		2	.24
Motors.....								1			1	.12
Locomotives.....			1		2	1		2	1		7	.84
Miscellaneous.....	2	2	2	5	3		4	2	2	11	33	3.93
Totals.	67	55	79	58	60	76	79	133	121	110	838	100.00

Outside.

CAUSES.	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	Totals.	Percent- age.
Cars.....	5	2	3	5	2	9	6	7	9	10	58	32.86
Machinery.....						1	1				2	2.86
Boiler Explosions.								1			1	1.42
Locomotives.....						1					2	2.86
Miscellaneous		2	1	2		1	2				7	10.00
Totals	5	4	4	7	2	11	10	8	9	10	70	100.0

FATAL ACCIDENTS INSIDE AND OUTSIDE FROM 1903 TO 1908, INCLUSIVE.
Inside.

CAUSES.	1903	1904	1905	1906	1907	1908	Totals.	Percent- age.
Falls of coal, roof and slate	96	95	105	99	139	155	689	42.56
Mine cars	12	12	18	16	20	28	106	6.54
Explosions of gas.....	24	8	1	4	29	2	63	3.89
Explosions of gas and dust.....				23	101		124	7.66
Explosions of dust, powder and shots	8	9	38	86	17	375	533	32.92
Mules.....	1		1	1			3	.31
Mine machines	1			1			5	.31
Motors.....			3	5	4	2	20	1.23
Locomotives.....	1	1		1	1		4	.25
Miscellaneous.....	4	3	9	14	13	27	70	4.33
Totals	147	123	176	250	324	599	1619	100.00

Outside.

CAUSES.	1903	1904	1905	1906	1907	1908	Totals.	Percent- age.
Cars.....	7	11	10	10	18	13	68	55.29
Machinery.....		1		1		2	4	3.25
Locomotives.....	2	1			1	1	5	4.06
Miscellaneous.....	3	4	8	7	13	11	46	37.40
Totals	12	17	18	18	32	26	123	100.00

TABLE SHOWING THE NUMBER OF PERSONS KILLED INSIDE, PER 1,000 INSIDE EMPLOYEES IN COAL MINES IN THE STATES OF PENNSYLVANIA, ILLINOIS, OHIO AND WEST VIRGINIA FOR THE YEAR 1907.

STATE.	Total No. of Inside Employees.	Total No. of Inside Fatal Acci- dents.	No. of Lives lost per 1,000 Inside Employees
Pennsylvania Anthracite.....	117,849	601	5.10
Pennsylvania Bituminous.....	150,371	766	5.08
Illinois.....	60,122	158	2.62
Ohio.....	42,999	153	3.56
West Virginia.....	44,147	324	7.34

Year 1908.

WEST VIRGINIA.	48,938	599	12.24
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LIVES LOST INSIDE, NO. OF INSIDE EMPLOYEES AND TONNAGE MINED FOR EACH LIFE LOST INSIDE—1908.

COUNTY.	No. of Lives Lost Inside the Mine.	Lives Lost Inside of Mine, per 1,000 Employees (Inside.)	Tons of Coal Pro- duced per each Life Lost Inside of Mine.	Tons of Coal Pro- duced per each Inside Employee	Total Tons of Coal Produced	Total Inside Em- ployees.
Brooke.....	5	149	91,657	681	458,284	673
Hancock.....				700	66,511	95
Marion.....	372	1,275	9,249	1,180	3,410,666	2,917
Marshall.....	3	616	123,063	758	369,189	487
Ohio.....				616	143,698	293
Harrison.....	11	340	288,004	982	3,168,042	3,526
Lewis.....				596	22,640	38
Upshur.....				632	76,773	111
Barbour.....	3	337	276,349	953	829,046	889
Monongalia.....	1	236	271,843	641	271,843	424
Preston.....	3	690	291,595	604	874,786	1,449
Taylor.....				830	396,358	478
Grant.....				689	242,442	352
Mineral.....	1	133	622,295	826	622,295	753
Randolph.....	12	369	272,901	1,007	545,803	542
Tucker.....	7	641	131,510	843	920,568	1,092
Braxton.....	1	108	91,763	997	91,763	92
Gilmer.....				235	6,697	28
Mason.....				346	109,738	317
Putnam.....	3	398	141,475	563	424,424	754
Clay.....				393	42,461	108
Fayette.....	56	538	122,344	658	6,851,271	10,410
Kanawha.....	19	311	238,062	741	4,523,739	6,105
Nicholas.....				350	61,806	158
Greenbrier.....				949	36,066	53
Raleigh.....	16	802	78,714	652	1,259,420	1,993
Mercer.....	6	298	303,946	905	1,823,674	2,014
McDowell.....	77	796	110,593	881	8,515,689	9,669
Wyoming.....	2	50	326	163	652	4
Lincoln.....				256	25,064	98
Logan.....	2	148	607,520	901	1,215,039	1,349
Mingo.....	9	460	190,534	877	1,714,807	1,956
Wayne.....				627	35,756	57
For the State.....	599	1,224	4,263,773	801	39,187,010	48,438

TABLE SHOWING THE NUMBER KILLED INSIDE OF THE MINES BY FALLS PER EACH 1,000 PERSONS EMPLOYED INSIDE OF THE MINES IN THE STATES OF OHIO, ILLINOIS, PENNSYLVANIA AND WEST VIRGINIA FROM 1897 TO 1907 INCLUSIVE.

YEARS.	Ratio Killed by Falls of Coal, Slate and Roof per 1000 Inside Employees.				
	Ohio	Illinois	Pennsylvania.		West Virginia
			Bitumi- nous Mines.	Anthra- cite Mines.	
1897	1.07	1.52	1.50	2.13	2.75
1898	1.47	1.36	1.92	2.04	3.60
1899	1.52	1.54	2.18	2.45	3.26
1900	1.52	1.44	1.79	1.86	2.79
1901	1.38	1.43	1.95	2.29	2.95
1902	1.59	1.42	2.02	1.18	2.90
1903	2.13	1.65	1.92	2.05	3.15
1904	2.26	1.32	1.83	2.16	2.61
1905	1.98	1.49	2.19	2.53	2.62
1906	1.91	1.49	2.15	1.86	2.42
1907	2.25	1.23	2.04	2.37	3.15
Averages.....	.....	.....	.....	.....	5.28
1908 .....	.....	.....	.....	.....	.....

DETAIL OF LIVES LOST PER TONS OF PRODUCTION.

Number of mines where fatal accidents occurred	175
Number of lives lost	625
Number of mines where fatal accidents occurred inside	149
Number of lives lost inside	599
Number of men employed inside mines, where fatal accidents occurred inside	18,627
Number of tons of coal produced where fatal accidents occurred inside	21,302,661
Tons of coal produced, per each life lost, in mines where fatal accidents occurred inside	35,563
Tons of coal produced per each life lost in State, all mines and tonnage included	62,699

TABLE SHOWING THE NATIONALITY OF PERSONS KILLED, AND CAUSES OF FATAL ACCIDENTS, AT THE MINES FOR THE YEARS 1907 AND 1908.

NATIONALITIES.	1907.											1908.											
	CAUSES.											CAUSES.											
	Inside.						Outside.					Inside.						Outside.					
	Falls of Coal, State and Roof.	Mine Cars.	Explosions of Gas.	Explosion of Powder, Dust, Dynamite and Shots.	Explosion of Gas and Dust.	Mules.	Total Number Killed Inside.	Cars.	Machinery.	Miscellaneous.	Total Number Killed Outside.	Falls of Coal, State and Roof.	Mine Cars.	Explosions of Gas.	Explosions of Powder, Dust, Dynamite and Shots.	Mules.	Miscellaneous.	Total Number Killed Inside.	Cars.	Machinery.	Miscellaneous.	Total Number Killed Outside.	
American	46	12	3	6	45	119	6	...	4	10	129	51	10	2	79	...	18	160	7	1	8	16	176
Negro	32	3	3	1	19	62	3	...	6	9	71	20	11	...	10	...	5	46	3	...	...	4	50
Italian	19	1	1	1	1	4	45	...	3	11	56	19	4	...	17	1	2	197	...	1	1	3	200
Hungarian	9	1	1	1	1	1	29	1	...	...	30	19	4	...	2	...	5	26	...	...	...	1	27
Polish	9	...	...	...	...	10	10	...	...	...	10	10	1	...	32	...	1	44	...	...	...	...	44
Lithuanian	9	...	6	...	...	8	8	...	...	...	8	...	...	...	6	...	6	6	...	...	...	...	6
English	9	1	...	...	...	15	15	...	...	...	13	3	...	...	...	...	3	3	...	...	...	...	3
Slavish .....	...	...	...	...	...	12	12	...	...	...	12	8	...	...	...	...	1	71	...	...	...	...	71
Danish .....	...	...	1	...	...	1	6	...	...	...	6	4	...	...	...	...	...	1	...	...	...	...	1
Welsh .....	...	...	5	...	...	1	1	...	...	...	1	1	...	...	...	...	...	1	...	...	...	...	1
Austrian	1	...	...	...	...	6	6	...	...	...	6	4	...	...	...	...	...	1	...	...	...	...	1
Australian .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Russian .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
German	6	...	...	...	...	10	11	...	1	1	11	3	1	...	...	...	4	12	...	1	1	2	12
Scotch .....	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	4	1	...	6
Lithuanian .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Swede .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Greek .....	...	...	...	...	...	3	3	...	...	...	3	3	...	...	5	...	...	8	...	...	...	...	8
Syrian	1	...	...	...	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1
Romanian	1	...	...	...	...	2	2	...	...	...	2	2	...	...	1	...	...	3	...	...	...	...	3
Irish .....	...	1	...	...	...	1	1	...	...	...	1	1	...	...	2	...	...	4	...	...	...	...	4
Unknown .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	5
Totals	139	20	23	17	101	324	18	14	32	356	155	28	2	375	1	38	509	12	2	12	26	625	

NATIONALITIES OF PERSONS KILLED AND INJURED—1908.

NATIONALITIES.	Fatal	Non-Fatal	Totals
American.....	176	357	533
Negro.....	50	151	201
Italian.....	200	103	303
Hungarian.....	27	60	87
Polish.....	44	38	82
Lithuanian.....	6	8	14
English.....	3	12	15
Slavish.....	71	36	107
Sicilian.....	1	1	2
Welsh.....	1	1	2
Austrian.....	7	11	18
Russian.....	12	18	30
German.....	6	11	17
Scotch.....	1	2	3
Litvitch.....	1	1	2
Swiss.....	1	1	2
Servian.....	1	1	2
Greek.....	8	4	12
Bohemian.....	2	2	4
Syrian.....	4	4	8
Roumanian.....	3	6	9
Irish.....	4	4	8
Unknown.....	5	10	15
Totals.....	625	842	1,467

AGES OF PERSONS KILLED AND INJURED—1908.

AGES	Fatal	Non-Fatal	Totals
14 years or younger.....	1	9	10
15 ".....	4	18	22
16 ".....	14	18	32
17 ".....	8	11	19
18 ".....	17	35	52
19 ".....	27	38	65
20 ".....	16	33	49
20 " to 25 years including 25.....	152	197	349
25 " " 30 ".....	148	160	308
30 " " 35 ".....	76	113	189
35 " " 40 ".....	84	81	165
40 " " 45 ".....	35	43	78
45 " " 50 ".....	22	25	47
50 " " 55 ".....	9	20	29
55 " " 60 ".....	4	8	12
60 " " 65 ".....	2	2	4
65 " " 70 ".....	2	2	4
70 " " 75 ".....	1	1	2
Unknown.....	8	28	36
Totals.....	625	842	1,467

TERMS OF EXPERIENCE OF PERSONS KILLED AND INJURED AT THE WEST VIRGINIA COAL MINES, 1901 TO 1908, INCLUSIVE.

LENGTH OF EXPERIENCE.	1901.		1902.		1903.		1904.		1905.		1906.		1907.		1908.		Sum Totals.		
	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.		Non-Fatal.	Totals.
3 months or less.....	18	30	48	19	25	44	26	44	70	15	28	43	26	34	60	33	51	124	
Over 3 months and including 6 months.....	6	13	19	9	8	17	5	21	26	8	15	23	8	18	26	38	54	99	
" 6 months and including 12 months.....	13	20	33	13	30	43	15	31	52	15	25	40	11	26	37	108	176	284	
2 years.....	8	16	24	14	25	39	4	15	19	30	14	33	47	28	31	59	68	127	
3 years.....	4	6	10	6	12	18	4	14	18	8	14	22	28	19	44	36	47	83	
4 years.....	4	7	11	8	10	18	8	8	16	6	9	15	15	19	34	38	57	101	
5 years.....	2	9	11	6	10	16	12	15	27	9	13	22	16	19	35	44	73	137	
6 years.....	3	10	13	2	6	8	3	3	6	3	6	9	9	9	18	11	20	29	
7 years.....	2	2	4	1	6	7	2	5	7	3	3	6	6	6	12	19	31	40	
8 years.....	4	3	7	4	1	5	6	4	10	1	5	6	4	2	6	9	38	42	
9 years.....	4	3	7	4	1	5	2	1	3	1	2	3	1	1	2	3	4	7	
10 years.....	6	1	7	5	5	10	5	5	15	4	6	10	4	9	13	11	22	28	
Over 10 years and including 15 years.....	3	8	11	5	5	10	5	5	15	3	6	11	8	18	26	17	24	41	
" 15 years and including 20 years.....	3	8	11	5	5	10	5	5	15	3	6	11	8	18	26	17	24	41	
20 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
25 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
30 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
35 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
40 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
45 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
50 years.....	1	2	3	1	1	2	2	2	4	3	3	6	4	6	10	9	19	28	
Several years.....	6	5	11	5	5	10	11	11	22	8	14	22	11	15	26	33	44	77	
Many years.....	3	3	6	2	2	4	3	4	7	4	4	8	3	4	7	11	15	26	
Always.....	39	28	67	16	48	64	23	32	45	27	25	52	50	52	102	166	210	376	
Unknown.....	130	180	310	120	239	359	159	223	382	140	211	351	194	250	444	288	448	736	
Totals.....	130	180	310	120	239	359	159	223	382	140	211	351	194	250	444	288	448	736	

TABLE EXHIBITING THE CAUSES OF FATAL AND NON-FATAL ACCIDENTS AND THE NUMBER AND PERCENTAGE BY EACH CAUSE—1908.

CAUSES.	Fatal.	Non-Fatal.	Totals.	Per-centage.
Explosion of Dust	368	2	370	25.23
Mine Cars	40	242	282	19.16
Falls of Slate	127	269	396	27.00
Falls of Coal	24	105	129	8.79
Premature Explosion	3	31	34	2.32
Mining Machines	2	28	30	2.05
Falls of Roof	7	21	28	1.90
Electric Motor	8	20	28	1.90
Explosion of Dynamite	3	15	18	1.23
Animals	2	14	16	1.13
Explosion of Powder	6	13	19	1.29
Tipple	1	14	15	1.02
Fell Down Shaft	12		12	.82
Blow Out Shot		9	9	.61
Electricity	9	1	10	.63
Explosion of Gas		8	8	.54
Machinery	2	6	8	.54
Rail Road Cars	1	6	7	.48
Explosion of Gas and Smoke	1	5	6	.41
Flying Coal	1	4	5	.34
Blown Through Shot	1	3	4	.27
Explosion of Dynamite Caps	1	3	4	.27
Monitor		3	3	.21
Larry	1	2	3	.21
Scalded by Steam	3		3	.21
Steel Rails		2	2	.14
Locomotive		2	2	.14
Mine Props		2	2	.14
Mine Cars		1	1	.07
Timber (Inside)		1	1	.07
Fall of Clay (Inside)	1		1	.07
Mine Lamp	1	2	3	.21
Coke Oven		1	1	.07
Miscellaneous (Inside)		4	4	.27
Miscellaneous (Outside)		3	3	.31
Totals	625	842	1 467	100.00

TABLE SHOWING NUMBER OF FATAL AND NON-FATAL ACCIDENTS, INSIDE AND OUTSIDE, AND NUMBER OF PERSONS KILLED AND INJURED—1908.

Fatal Accidents.

	No of Accidents.	No of Persons Killed.
Inside	228	599
Outside	20	26
Totals	248	625

Non-Fatal Accidents.

	No of Accidents.	No of Persons Injured.
Inside	743	779
Outside	58	63
Totals	801	852

**ACCIDENTS TABULATED ACCORDING TO THE DAYS OF THE WEEK
ON WHICH THEY OCCURRED—1908.**

Fatal Accidents.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Totals
Inside.....	6	38	44	31	35	418	27	599
Outside.....		4	4	5	4	7	2	26
Totals.....	6	42	48	36	39	425	29	625

Non-Fatal Accidents.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Totals
Inside.....	17	128	140	131	122	134	107	779
Outside.....	2	10	10	10	12	10	9	63
Totals.....	19	138	150	141	134	144	116	842

Summary of Fatal and Non-Fatal Accidents.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Totals
Inside.....	23	166	181	162	157	553	134	1,379
Outside.....	2	14	14	15	16	16	11	88
Totals.....	25	180	198	177	173	569	145	1,467

**LIST OF ACCIDENTS IN WHICH MORE THAN ONE PERSON WAS
KILLED—1908.**

COUNTY.	NAME OF MINE.	DATE OF ACCIDENT.	No. OF PERSONS KILLED.	CAUSE.
Marion.....	<i>a</i> Monongah.....	Dec. 6, 1907.....	259	Explosion of dust.
Harrison.....	Two Lick.....	July 24, 1907.....	3	Explosion of Powder, (Outside.)
Lewis.....	<i>b</i> Sarah B.....	August 28, 1907.....	3	Scalded by Steam, (Outside.)
Fayette.....	Red Ash.....	October 28, 1907.....	4	Runaway Cars on Incline.
".....	Stuart Sinking Shaft.....	Jan. 29, 1908.....	3	Fell Down Shaft.
".....	<i>c</i> Bachman.....	Jan. 30, 1908.....	9	Explosion of Dust.
".....	<i>e</i> Parral Shaft.....	March 21, 1908.....	2	Explosion of Dynamite.
McDowell.....	<i>d</i> Bottom Creek.....	Nov. 5, 1907.....	3	Fall of Slate.
".....	Jed.....	Dec. 13, 1907.....	2	Fell Down Shaft.
Wyoming.....	Rich Knob.....	April 22, 1908.....	2	Explosion of Powder.
390				

a. In this accident two men were non-fatally injured (outside) by explosion of dust.

b. In this accident three men were non-fatally scalded also.

c. In this accident one man was non-fatally injured by explosion of dust.

d. In this accident two men were non-fatally injured by fall of slate.

e. In this accident four men were non-fatally injured by explosion of dynamite.

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE	Name of Person Killed.	Date of		Nationality	Length of Experience	Age.	Occupation	Married or Single	Widow	Total No. Dependents	Insurance Amount	How Killed.	Inquest
			Injury	Death.										
Brooke County.														
1	Locust Grove	David Varoli	8-17-07	8-28-07	Italian	3 yrs.	45	Miner	M	yes.	3	\$	Fall of slate	No.
2	Locust Grove	Tony Ericson	9-11-07	9-11-07	Italian	23 yrs.	21	Miner	M				Fall of slate	No.
3	Beech Bottom	Adolf Schwabebeck	1-31-08	1-31-08	Polish	8 yrs.	45	Miner	M				Fall of slate	No.
4	Lewis No. 1	Romana Mangum	4-29-08	4-29-08	Italian	20 mos	27	Miner	M	yes.	3		Electrocuted	No.
5	Beech Bottom	Geo. Boeh	6-16-08	6-16-08	Hungarian	1 mos	19	Miner	M				Fall of slate	No.
Marion County.														
6	Monongah No. 8	John Zedrowski	7-1-07	7-2-07	Polish	6 yrs.	17	Miner	M				Fall of slate	No.
7	Chatham	Mike Picents	7-18-07	7-18-07	Slavish	2 yrs.	27	Miner	M	yes.	1		Fall of slate	No.
8	Gaston	Steve Parsons	7-31-07	8-1-07	Negro	1 we	22	Driver	M				Mine cars	No.
9	New England	M. Crox	9-19-07	10-3-07	American	5 yrs.	38	Miner	M				Mine cars	No.
10	Montana	Paul Kinkos	10-2-07	10-2-07	Slavish	2 1/2 yrs	18	Miner	M				Fall of slate	No.
11	Federal	John Lyons	10-11-07	10-11-07	Slavish	3 yrs	35	Miner	M				Fall of slate	No.
12	Middleton	Rose Sual	10-28-07	10-28-07	Italian	5 mos	26	Miner	M				Fall of slate	No.
13	New England	Paul Smallwood	11-4-07	11-8-07	American	2 yrs	17	Miner	M				Fall of slate	No.
14	Middleton	John O. Lewellen	11-22-07	11-22-07	American	2 yrs	49	Ma. Runner	M	yes.	3		Fall of slate	No.
15	New England	Sieg Karpisitz	11-26-07	11-26-07	Greek	5 mos	20	Shooter	M				Fall of slate	No.
16	Monongah No. 6	Henry Burke	12-6-07	12-6-07	American	8 yrs	45	Miner	M				Explosion of dust.	yes.
17		Wesley Cooper	12-6-07	12-6-07	American	6 yrs	23	Motorman	M	yes.	1			
18		Fay Cooper	12-6-07	12-6-07	American	1 yr	16	Trapper	M					
19		W. L. Davis	12-6-07	12-6-07	American	6 yrs	40	Ma. Runner	M	yes.	8			
20		Thos. Doolin	12-6-07	12-6-07	American	10 yrs	42	Mine Fore'm	M	yes.	3			
21		Phis. Duffey	12-6-07	12-6-07	American	6 yrs	30	Miner	M	yes.	1			
22		Wm. Evans	12-6-07	12-6-07	American	3 mos	27	Driver	M	yes.	1			
23		Larry Evans	12-6-07	12-6-07	American	2 yrs	28	Ma. Runner	M	yes.	3			
24		Wesley Ford	12-6-07	12-6-07	American	7 yrs	38	Motorman	M	yes.	3			
25		John Fluharty	12-6-07	12-6-07	American	8 yrs	40	Ma. Runner	M	yes.	3			
26		John Herman	12-6-07	12-6-07	American	5 yrs	36	Coupler	M	yes.	3			
27		Louise Hinerman	12-6-07	12-6-07	American	6 yrs	21	Brakeman	M	yes.	4			
28		L. D. Lane	12-6-07	12-6-07	American	1 yr	34	Ma. Runner	M	no.	1			
29		Timothy Lydon	12-6-07	12-6-07	American	10 yrs	38	Fire Boss	M	yes.	3			
30		Sam R. Kelley	12-6-07	12-6-07	American	6 yrs	34	Driver	M	yes.	3			
31		Henry Martin	12-6-07	12-6-07	American	8 yrs	43	Trackman	M	yes.	5			
32		I. W. Miller	12-6-07	12-6-07	American	10 yrs	48	Wireman	M	yes.	6			
33		Albert Miller	12-6-07	12-6-07	American	10 yrs	28	Ma. Runner	M	yes.	1			
34		James Moon	12-6-07	12-6-07	American	1 yr	16	Trapper	M	yes.	1			
35		Frank Moon	12-6-07	12-6-07	American	5 yrs	19	Driver	M					
36		Cecil Morris	12-7-07	12-6-07	American	4 mos	19	Miner	M					

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Persons Killed.	Date of		Nationality.	Length of Experience	Age.	Occupation	Married or Single.	Widow.	Children.	Total No. Dependents.	Insurance and Amount.	How Killed.	Inquest.
			Injury.	Death.											
	<i>Marion County—</i>														
175	Monongah No. 8	Cont'd.													
176	"	James Fletcher	12-6-07	12-6-07	American	1 yr.	25	Driver	M					Explosion of dust	yes.
177	"	Thomas Gannon	12-6-07	12-6-07	American	10 yrs	42	Laborer						"	"
178	"	J. W. Hahn	12-6-07	12-6-07	American	10 yrs	48	Boss Driver	M	yes	3	4		"	"
179	"	E. N. Herndon	12-6-07	12-6-07	American	12 yrs	53	Truckman	M	yes	1	2		"	"
180	"	Patrick Herndon	12-6-07	12-6-07	American	8 yrs	32	Boss Driver	M					"	"
181	"	C. A. Honaker, Jr.	12-6-07	12-6-07	American	1 mo.	32	Coupler	M					"	"
182	"	John N. Jones	12-6-07	12-6-07	American	1 yr.	39	Truckman	M	yes	3	4		"	"
183	"	Thos. Kileen	12-6-07	12-6-07	American	12 yrs	32	Truckman	M	yes	3	4		"	"
184	"	Adam Lane	12-6-07	12-6-07	American	2 yrs	35	Fire Boss	M	yes	3	4		"	"
185	"	Scott Martin	12-6-07	12-6-07	American	6 yrs	31	Brakeman	M	yes	1	1		"	"
186	"	John H. Mort	12-6-07	12-6-07	American	10 yrs	32	Miner	M	yes	6	7		"	"
187	"	C. D. Moore	12-6-07	12-6-07	American	8 yrs	25	Brakeman	M	yes	1	2		"	"
188	"	L. L. Moore	12-6-07	12-6-07	American	3 yrs	26	Miner	M	yes	1	1		"	"
189	"	Wm. Morris	12-6-07	12-6-07	American	6 yrs	29	Mech runner	M	yes	1	3		"	"
190	"	C. E. Morris	12-6-07	12-6-07	American	4 mo.	18	Miner	M					"	"
191	"	Marion Morris	12-6-07	12-6-07	American	10 yrs	25	Mine f'm'n	M					"	"
192	"	Ano J. McGraw	12-6-07	12-6-07	American	10 yrs	25	Mech runner	M	yes	1	2		"	"
193	"	Chas. McKane	12-6-07	12-6-07	American	5 yrs	28	Mech runner	M					"	"
194	"	Sam. Nolan	12-6-07	12-6-07	American	8 mo.	20	Driver	M					"	"
195	"	Hugh Reese	12-6-07	12-6-07	American	8 yrs	48	Miner	M	yes	1	2		"	"
196	"	John Ringier	12-6-07	12-6-07	American	3 mo.	32	Mech runner	M	yes	1	2		"	"
197	"	T. O. Ringier	12-6-07	12-6-07	American	6 yrs	32	Driver	M	yes	3	4		"	"
198	"	Dennis Sloan	12-6-07	12-6-07	American	8 mo.	33	Mech runner	M	yes	1	2		"	"
199	"	Michael Soles	12-6-07	12-6-07	American	7 yrs	29	Mech runner	M	yes	1	1		"	"
200	"	Leslie Spragg	12-6-07	12-6-07	American	10 yrs	45	Miner	M	yes	3	4		"	"
201	"	Geo. Snodgrass	12-6-07	12-6-07	American	6 yrs	36	Mech runner	M	yes	3	4		"	"
202	"	F. E. Snodgrass	12-6-07	12-6-07	American	6 yrs	25	Mech runner	M	yes	1	1		"	"
203	"	Jesse Severe	12-6-07	12-6-07	American	8 yrs	46	Slateman	M	yes	1	2		"	"
204	"	Beth Severe	12-6-07	12-6-07	American	4 mo.	22	Driver	M	yes	1	2		"	"
205	"	D. V. Santee	12-6-07	12-6-07	American	4 yrs	30	Miner	M	yes	1	2		"	"
206	"	Harry Seese	12-6-07	12-6-07	American	4 yrs	30	Miner	M	yes	1	2		"	"
207	"	Sam Thompson	12-6-07	12-6-07	American	4 yrs	21	Miner	M	yes	1	2		"	"
208	"	Andy Carlock	12-6-07	12-6-07	Polish	2 yrs	26	Miner	M					"	"
209	"	George Herlock	12-6-07	12-6-07	Polish	3 yrs	26	Miner	M					"	"
210	"	Anton Hiawatin	12-6-07	12-6-07	Polish	3 yrs	28	Miner	M					"	"
211	"	Vadis Kawalsky	12-6-07	12-6-07	Polish	6 yrs	43	Miner	M	yes	3	3		"	"
212	"	George Klingerous	12-6-07	12-6-07	Polish	6 yrs	43	Miner	M	yes	3	3		"	"

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Killed.	Date of		Nationality.	Length of Experience.	Age.	Occupation.	Married or Single.	Widow.	Children.	Total No. Dependents.	Insurance Amount.	How Killed.	Inquest.
			Injury.	Death.											
Marion County—															
349	Monongah No. 8	Cont'd													
350		Frank Simpson	12-6-07	12-6-07	Italian	5 yrs	26	Brakeman	M		1	1	\$	Explosion of dust	Yes.
351		Joe Sarlino	12-6-07	12-6-07	Italian	1 yr.	19	Miner	M						
352		Joe Salva	12-6-07	12-6-07	Italian	4 yrs.	20	Miner	M						
353		Flora Salva	12-6-07	12-6-07	Italian	1 yr.	28	Miner	M	yes		1			
354		Vini Salva No. 1	12-6-07	12-6-07	Italian	1 yr.	22	Miner	M						
355		Vini Salva No. 2	12-6-07	12-6-07	Italian	3 yrs	24	Miner	M						
356		Angello Toots	12-6-07	12-6-07	Italian	8 yrs	45	Miner	M						
357		Frank Vendetta	12-6-07	12-6-07	Italian	5 yrs	23	Motorman	M	yes	3	4			
358		John Vendetta	12-6-07	12-6-07	Italian	5 yrs	25	Miner	M						
359		Nick Yanero	12-6-07	12-6-07	Italian	5 yrs.	25	Miner	M						
360		Carmen Zello	12-6-07	12-6-07	Italian	8 yrs.	30	Loader	M	yes	2	3			
361		John Zello	12-6-07	12-6-07	Italian	2 yrs.	26	Miner	M						
362		Mike Demarla	12-6-07	12-6-07	Italian	6 mos.	24	Miner	M						
363		Tony Desalto	12-6-07	12-6-07	Italian	1 yr.	16	Trapper	M						
364		Mike Bolinski	12-6-07	12-6-07	Lithuan.	2 yrs.	28	Miner	M	yes	2	3			
365	Monongah No. 6	Frank Buten	12-6-07	12-6-07	Lithuan.	3 mos.	26	Miner	M						
366		Mike Matakonis	12-6-07	12-6-07	Lithuan.	6 mos.	27	Miner	M						
367		John Matakonis	12-6-07	12-6-07	Lithuan.	6 mos.	28	Miner	M	yes	2	3			
368		Thomas Matakonis	12-6-07	12-6-07	Lithuan.	6 mos.	33	Miner	M	yes	1	2			
369		Thomas Zinnis	12-6-07	12-6-07	Lithuan.	6 mos.	43	Miner	M	yes	9	10			
370		John Palukis	12-6-07	12-6-07	Hungarian	3 yrs.	34	Miner	M	yes	9	10			
371		Joseph Toth	12-6-07	12-6-07	Hungarian	1 yr.	28	Miner	M						
372	Monongah No. 8	Patrick Laughney	12-6-07	12-6-07	Irish	10 yrs.	57	Asst. Mine Foreman	M						
373		David Riggins	12-6-07	12-6-07	Scotch	8 yrs	32	Foreman	M						
374	Monongah No. 6	Patrick McMonough	12-6-07	12-6-07	Irish	12 yrs	46	Ma. runner	M	yes	3	4			
375	Whatham No. 1	James Williams	2-25-08	2-25-08	American	4 mos.	52	Pitching	M	yes	5	6	175 00	Fall of Slate	No.
376	Federal	Thomas Wardle	3-9-08	3-9-08	English	20 yrs.	43	Miner	M	yes	5	6	Some	Fall of Coal	Yes.
377	Chatham No. 1	Pascho Rombola	4-6-08	4-6-08	Italian	1 yr.	25	Loader	M	yes	1	2	175 00	Fall of Slate	Yes.
Monongalia County.															
378	Richard No. 1	Joe Porley (Pugliese)	11-2-07	11-2-07	Italian	2 yrs	37	Miner	M	no.	2	2		Fall of Bone Coal	Yes.
Marshall County.															
379	Hitchman	Enoch Walsh	8-22-07	8-24-07	Hungarian	18 mos.	35	Loader	M				50 00	Fall of Slate	No.
380	Hitchman	Jos. Barbina	11-7-07	1-11-08	Polish	2 mos.	35	Miner	M					Fall of Slate	No.
381	Hitchman	Andy Yardis	1-8-08	1-8-08	Russian	4 mos.	39	Loader	M					Mine Cars	No.

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Killed.	Date of		Nationality.	Length of Experience	Age	Occupation	Married or Single.	Widow	Children	Total No. Dependent	Insurance & Amount	How Killed.	Inquest.
			Injury.	Death											
419	Braxton County.	John Cannon.....	11-13-07	11-13-07	American	15 yrs.	34	Miner	M. yes		4		5 \$	Fall of slate.....	Yes.
	Exegette County.														
420	Turkey Knob	Allen Farmer	7-22-07	7-22-07	American	Unk'n	50	Miner	M. yes		2			Fall of slate.....	No.
421	Diamond	Liss Allen	7-23-07	7-23-07	American	8 yrs	22	Mech. H'p'r	M. yes		2			Fall of coal	..
422	Kay Moor No. 2	Alex. Ruten	8-16-07	8-16-07	American	17 yrs	36	Miner	M. yes		9			Explosion of shot	..
423	Sugar Creek	Paul Thompson	8-21-07	8-21-07	Negro	15 yrs	43	Miner	M.		5			Fall of slate.....	..
424	No. 2 Gas (H. Kan Coal Co.)	Joe Wedgewood	8-21-07	8-24-07	American	12 yrs	40	Miner	M.		2			Fall of slate.....	..
425	No. 3 Boomer	Joe Fantz	8-25-07	8-25-07	Italian	5 yrs	30	Driver	M.					Mine cars	..
426	Sun	Felice Piscaroli	9-6-07	9-6-07	Italian	4 yrs	35	Miner	M.					Premature Explo.	..
427	Carlisle	John Bibb	9-27-07	9-27-07	American	sev yrs	23	Laborer	M.					Electrocuted	..
428	Scarbro	Rob't Chilton	10-7-07	10-7-07	English	1 day	24	Laborer	M.					Fall of slate	..
429	Kil-syth	Frank Johnson	10-22-07	10-22-07	American	Unk'n	24	Driver	M.					Mine cars	..
430	Red Ash	Granville Murphy	10-28-07	10-28-07	Negro	6 mos.	20	Miner	M.					Mine car (outside)	..
431	"	W. J. Bailey	10-28-07	10-28-07	American	6 mos.	43	Tipple Man	M. yes					Mine car (outside)	..
432	"	Elisha Potter	10-28-07	10-28-07	Negro	Unk'n	35	Miner	M.		2			Mine car (outside)	..
433	Layland	Sam. Mercetline	10-31-07	10-31-07	Polish	2 yrs	18	Laborer	M.		2			Mine cars (outside)	..
434	"	Frank Selinsky	11-2-07	11-2-07	Italian	Unk'n	37	Miner	M.		2			Mine cars	..
435	Greenwood	El. J. Sorrell	11-10-07	11-12-07	Unknown	2 mos	28	Miner	M.					Fall of coal	..
436	Parad Shaft	Asa. Frazier	11-19-07	11-19-07	American	4 yrs	25	Shaker	M.		5		50 00	Fall of k'fr m'b'kt	..
437	Lynan	Alex. Smith	12-6-07	12-9-07	American	15 yrs	50	Miner	M.		3		90 00	Fall of slate.....	..
438	Stuart Shaft	Henry Woodrum	1-3-08	1-3-08	American	sev yrs	30	Headman	M.					Fell down shaft	..
439	Sugar Creek	Peyton Lafferty	1-13-08	2-11-08	American	1 yr	23	Driver	M.				50 00	Fall of slate.....	..
440	Dubree	M. A. Hedrick	1-14-08	2-5-08	American	10 yrs	32	Miner	M.				150 00	Mng inch (outside)	..
441	Sherswood	O. B. Crawford	1-16-08	1-16-08	American	Unk'n	22	Laborer	M.		3		30 00	Electrocuted	Yes.
442	Layland	Marion Miller	1-21-08	1-21-08	American	8 yrs	35	Miner	M.		3			Fall of coal	No.
443	Stuart Slaking Shaft	Maximilian Nies	1-29-08	1-29-08	Russian	2 mos.	45	Shaker	M.		6			Felloff bkt in shaft	Yes.
444	"	Paullella Omelch	1-29-08	1-29-08	Russian	2 mos.	20	Shaker	M.					Felloff bkt in shaft	..
445	"	George Petrucek	1-29-08	1-29-08	Russian	2 mos.	23	Shaker	M.					Felloff bkt in shaft	..
446	Bachman	Richard Byers	1-30-08	1-30-08	American	Unk'n	27	Miner	M.					Explosion of dust.	..
447	"	John Boles	1-30-08	1-30-08	American	Unk'n	19	Miner	M.					"	..
448	"	Peter Barlow	1-30-08	1-30-08	American	Unk'n	27	Miner	M.					"	..
449	"	John Clark	1-30-08	1-30-08	American	Unk'n	38	Miner	M.					"	..
450	"	Henry Holliday	1-30-08	1-30-08	American	Unk'n	30	Miner	M.					"	..
451	"	Charles Kussel	1-30-08	1-30-08	American	Unk'n	28	Miner	M.					"	..

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Killed.	Date of		Nationality.	Length of Experience	Age.	Occupation	Married or Single.	Widow.	Children.	Total No. Dependents	Insurance & Amount.	How Killed	Inquest.
			Injury.	Death.											
Kanawha County.															
497	West (Winfred).	—Cont'd.	2-19-08	2-19-08	American	2 yrs.	16	Miner	S				\$ 50.00	Fall of slate.	No.
498	No. 1 Kellys Creek.	Lloyd Ferrell.	3-24-08	3-24-08	Negro	My yrs.	40	Na. Runner	M.	yes.	1			Fall of slate.	Yes.
499	Knickerbocker.	French Turkey.	4-7-08	4-7-08	American	2 yrs.	28	Miner	M.	yes.	1			Fall of slate.	Yes.
500	Knickerbocker.	Thomas Young.	4-7-08	4-7-08	Welsh	8 yrs.	41	Miner	M.	yes.	1			Fall of slate.	No.
501	Acme Steam.	Mark Matheny.	4-11-08	4-11-08	American	8 mos.	22	Carpenter.	S					Fell off tippie.	No.
502	Imperial No. 1.	James Waters.	4-21-08	4-21-08	American	10 yrs.	30	Miner	S					Fall of coal.	..
503	United Gas No. 1.	Steve Koavis.	6-19-08	6-19-08	Hungarian	2 yrs.	21	Miner	S					Fall of coal.	..
Putnam County.															
504	Plymouth.	Evert Harmon.	10-29-07	11-3-07	American	6 yrs.	24	Motorman.	M	yes	1	2		Electric Motor.	..
505	Black Betsey No. 1.	Wm. Wolf.	12-4-07	12-4-07	American	10 yrs.	55	Laborer	M.	yes	5	6		Fall of slate.	..
506	Big Otto No. 2.	W. B. Bailey.	3-19-08	3-19-08	American	15 yrs.	30	Miner	S					Fall of slate.	..
Raleigh County.															
507	Beckley.	Joe Glascock.	9-19-07	9-19-07	Irish	1 yr.	50	Miner	M.	yes.	1	2		Fall of slate.	Yes.
508	Sprague.	John Misor.	8-10-07	8-12-07	Polish	Unkn.	35	Miner	M.	yes.	2	3		Fall of slate.	No.
509	Lanark No. 3.	Leon Smith.	8-15-07	8-15-07	Negro	3 yrs.	23	Miner	S					Fall of slate.	No.
510	Eccles Sinking Shaft No. 2.	James E. Goodman.	10-17-07	10-17-07	Negro	5 mos.	23	Laborer	M	yes	1	2		Fell down shaft.	..
511	Eccles Sinking Shaft No. 1.	Frank Locomot.	10-28-07	12-9-07	Italian	2 mos.		Laborer	S					Fall of clay.	..
512	Mabscott.	Ira Miller.	12-14-07	12-14-07	American	2 yrs.	16	Driver	S					Fall of slate.	Yes.
513	Granberry.	Marshall Bust.	1-10-08	1-10-08	Polish	10 mos.	25	Miner	M	yes.	2	3		Fell down shaft.	No.
514	Eccles Sinking Shaft No. 2.	John Pilon.	1-26-08	1-26-08	American	2 yrs.	35	Mech. Eng.	M	yes.	1	2		Fell down shaft.	..
515	Price Hill.	Mike Vyvot.	2-3-08	2-3-08	Polish	Unkn.	35	Miner	M		3	3	50.00	Fall of slate.	Yes.
516	Raleigh No. 3.	R. H. Kenkead.	2-17-08	2-21-08	American	9 yrs.	31	Min'g Eng.	S					Fall of slate.	No.
517	Graham.	Geo. Gorscoe.	3-3-08	3-3-08	Polish	6 mos.	20	Miner	S					Fall of slate.	..
518	Mabscott.	John Whipsh.	3-9-08	3-23-08	Polish	6 mos.	40	Miner	M	yes.	1		50.00	Fall of slate.	..
519	Price Hill.	Mike Kapaski.	3-11-08	3-11-08	Polish	Unkn.	39	Miner	M	yes.	4	5	50.00	Fall of slate.	Yes.
520	Eccles Shaft No. 2.	Joseph E. Smith.	4-10-08	4-10-08	American	3 yrs.	19	Foreman	M	yes.	1	1		Fall of slate.	No.
521	Raleigh No. 6.	Frank McLaughlin.	6-5-08	6-5-08	American	15 yrs.	39	Mch. man	M	yes.	1	2		Electric Motor.	..
522	Skelton.	James Paul.	6-10-08	6-10-08	English	20 yrs.	38	Miner	M	yes.	2	3	50.00	Fall of slate.	Yes.
Logan County.															
523	Island Creek No. 3.	Henry I. Fitch.	12-17-07	12-17-07	American	5 yrs.	31	Electrician	M	yes.	1	2		T'ple macy (o'ts'd).	No.
524	Draper.	Mont Felling.	1-17-08	1-17-08	American	8 mos.	45	Miner	M		2	2		Fall of slate.	No.
525	Cona.	Mike Pintock.	5-21-08	5-21-08	Slavish.	4 yrs.	40	Trackman	M	yes.	3	4		Electrocuted.	No.

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Killed.		Date of		Nationality	Length of Experience	Age	Occupation	Married or Single.	Widow.	Total No. Dependents	Insurance & Amount.	How Killed.	Inquest.	
	Injury	Death	Injury	Death											
McDowell County—	573 Jed.	Cont'd	12-13-07	12-13-07	Negro	17 yrs	34	Asst for mn	M.	yes.	1	\$	Fell down shaft.	No.	
	574 Jed.	Henry Corrington	12-13-07	12-13-07	Negro	Unk'n	21	Miner	M.	..	1	..	Fell down shaft.	No.	
	575 Shamokin	Willie Walker.	12-16-07	12-16-07	Irish	1 yr	42	Miner	M.	..	1	..	Fall of coal	Yes.	
	576 King	Theodore Rouch													
		Marion Morella (F													
		Armour)													
	577 Berwind No 1	Jos. Roscoe	12-27-07	1-1-08	Italian	6 mos.	25	Laborer	M.	..	..	..	Mine cars	No.
	578 U. S. No. 3.	Wm. Polandexter	12-30-07	12-30-07	Roman n	16 mos.	40	Shooter	M.	..	..	..	Expl's n Dyn. C'ps	No.
	579 Big Sandy	John Wiley	1-3-08	1-17-08	Negro	4 yrs.	21	Brakeman	M.	..	..	..	Mine cars (Out s)	No.
	580 Turkey Gap	Robert Thomas	1-3-08	1-3-08	Unknown	Unk'n	21	Miner	M.	..	..	..	Fall of slate	No.
	581 Turkey Gap	Steve Wamick	1-10-08	1-10-08	Negro	Unk'n	24	Car Droper	M.	..	..	..	R R cars (Outside)	No.
	582 U. S. No 6.	Paul Smetka	1-17-08	1-17-08	Russian	Unk'n	24	Miner	M.	yes.	1	2	Fall of slate	Yes.	
	583 U. S. No. 6.	Andy Veto.	1-22-08	1-22-08	Slavish	5 yrs	38	Miner	M.	..	..	..	Fall of slate	No.
	584 Ashland	Tony Valent	1-27-08	2-1-08	Hungar'n	1 yr	21	Miner	M.	..	..	..	Fall of slate	No.
	585 U. S. No. 3	James Witche	1-29-08	2-1-08	Italian	3 yrs.	36	Laborer	M.	..	2	2	Mine car (outside)	No.	
	586 Marytown	J. A. Turner	1-29-08	2-4-08	American	Unk'n	..	..	Trapper	M.	..	..	Mine cars	Yes.
	587 Indian Ridge	Steve Tokots	2-4-08	2-6-08	American	Unk'n	..	..	28 Miner	M.	..	..	Mine cars	No.
	588 U. S. No 1.	Me'l Thomas	2-6-08	2-19-08	Italian	6 yrs.	28	Miner	M.	..	..	..	Fall of coal	Yes.
	589 Puge	Jeff Slegle	2-22-08	2-22-08	Slavish.	2 yrs.	22	Miner	M.	..	..	..	Fall of slate	No.
	590 J. B. No. 3	Frank Goodman	2-22-08	3-19-08	American	4 yrs	45	Miner	M.	yes.	1	..	Fall of slate	No.	
	591 Empire	Cornelius Lazul	2-24-08	2-24-08	Hungar'n	10 yrs	22	Miner	M.	..	..	..	Fall of slate	No.
	592 U. S. No. 3	Frank Kellar	3-4-08	3-5-08	Negro	6 mos.	26	Miner	M.	..	..	..	Fall of slate	No.
	593 Upland	John Pickett	3-4-08	3-10-08	American	5 yrs.	25	driver	M.	yes.	1	1	50.00	Mine cars	No.
	594 Bottom Creek	Mike Mockshin	3-10-08	3-18-08	Russian	20 yrs.	43	Trackman	M.	..	6	7	50.00	Fall of slate	No.
	595 Turkey Gap	Mike Mockshin	3-18-08	3-18-08	Russian	5 mos.	38	Miner	M.	..	..	..	Fall of coal	No.
	596 Houston No. 2	Charley Switch	3-18-08	4-8-08	Hungar'n	1 yr	30	Miner	M.	yes.	1	2	..	Fall of coal	Yes.
597 Turkey Gap	Joe Walker	3-31-08	4-8-08	Negro	3 yrs	36	Miner	M.	..	1	..	..	Fall of coal	No.
598 Ashland	Jno. Barney	4-14-08	4-14-08	Negro	9 yrs	27	Miner	M.	yes.	1	..	..	Fall of slate	Yes.
599 Crozer No. 1	John Sabbo	4-18-08	4-18-08	Hungar'n	4 yrs	20	Miner	M.	..	3	..	..	Fall of slate	Yes.
600 U. S. No. 1	Mike Orwida	4-20-08	4-21-08	Hungar'n	5 mos.	35	Miner	M.	..	2	3	..	Fall of slate	Yes.	
601 Jed.	John Kohl	4-21-08	5-1-08	Polish	Unk'n	30	Miner	M.	yes.	2	3	..	Fall of slate	No.	
602 Houston No 2	Wm. Brown	5-1-08	5-8-08	Negro	2 yrs	22	Miner	M.	..	..	..	..	Fall of slate	No.
603 Delta	P'm Ho Baronchuk	5-8-08	6-10-08	Russian	4 mos.	26	Miner	M.	..	..	..	..	Mine cars	No.
604 U. S. No. 10	Steve Schloskey	5-20-08	5-20-08	Hungar'n	4 mos.	22	Miner	M.	..	..	..	..	Fall of slate	No.
605 Angle	Joe Bryant	5-22-08	5-22-08	Italian	5 yrs	20	Driver	M.	..	..	..	..	Mine cars	No.
606 Empire	Peter Totten	6-2-08	6-2-08	Hungar'n	1 yr	24	Miner	M.	..	..	..	..	Fall of coal	No.
							Drum run'r								
607 Twin Branch	James McDowell	6-3-08	6-3-08	Negro	3 wks.	18	Helper	M.	..	..	..	..	Electrocuted	No.
608 Ronoke.	Harry Brown	6-5-08	6-5-08	Negro	4 yrs	18	Brakeman	M.	yes.	1	..	..	Mine cars	Yes.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience of Acc.	Occupation.	Nature of Accident.	Injury Sustained.
	<i>Brooke County.</i>							
1	Lewis.....	Wilson Holmes.....	3-27-08	American	20 yrs	50 Mineforeman	Mine cars (outside).....	Both legs broken below knees.
	<i>Marion County.</i>							
2	Middletown.....	Frank Mouscat.....	7-2-07	Italian	2 yrs	50 Laborer	Railroad car at tippie.....	Fracture of bone in leg.
3	Shaft.....	Frank Colorouse.....	7-26-07	Italian	2 yrs	17 Trapper	Mine cars.....	Mashed right leg.
4	Kingmont.....	Martin Joyce.....	8-8-07	Irish	27 yrs	43 Miner	Fall of coal.....	Leg cut.
5	Gaston.....	John L. Stubbs.....	8-16-07	Negro	1 yr	30 Driver	Mine cars.....	Internal injury.
6	Chatham No. 1.....	John Marticouls.....	8-29-07	Polish	unk'n	30 Miner	Fall of slate.....	Lacerated scalp; foot mashed.
7	Chatham No. 1.....	F. G. Lough.....	8-25-07	American	15 mos	19 Loader & driver	Mine cars.....	Chest squeezed; limb lacerated.
8	Middletown.....	Tony Dehista.....	9-3-07	Italian	5 yrs	22 Driver	Mine cars.....	Fracture of bones in right leg.
9	Anderson.....	Mike Seyka.....	9-4-07	Italian	17 mos	30 Slateman	Mining machine.....	Fracture of left leg.
10	Monongah No. 6.....	Andy Boykash.....	9-4-07	Slavish	1 yr	36 Miner	Mine cars.....	Dislocated knee.
11	Gaston.....	John Marick.....	9-17-07	Slavish	2 mos	28 Miner	Fall of slate.....	Body bruised.
12	Montana.....	Lawrence Hardi.....	9-25-07	Hungar'n	2 mos	30 Miner	Fall of coal.....	Hip and shoulder bruised; bad scalp wound
13	Chiefton.....	Ed Merrifield.....	9-25-07	American	4 mos	24 Mach. runner	Mining machine.....	Fracture of the right leg, just above ankle.
14	Monongah No. 6.....	Dominick Connie.....	10-4-07	Italian	2 yrs	16 Trapper	Mine cars.....	Leg injured, necessitating amputation.
15	Monongah No. 6.....	Frank Yorko.....	10-4-07	Italian	7 mos	30 Miner	Fall of slate.....	Wound of scalp, contused arm.
16	Chatham No. 1.....	John Bennicus.....	10-5-07	Italian	2 yrs	24 Trackman	Fall of coal and slate.....	Lacerated scalp; right arm fractured.
17	Monongah No. 6.....	Joe Fates.....	10-21-07	Italian	6 mos	29 Miner	Mine cars.....	Two ribs fract'd on right side.
18	Highland.....	Jim Simmo.....	11-04-07	Italian	4 mos	50 Slateman	Mine cars.....	Leg bruised; ankle sprained.
19	Monongah No. 6.....	Joseph Koski.....	11-13-07	Polish	18 mos	24 Miner	Fall of coal.....	Ankle broken.
20	Chiefton.....	Corlman Demara.....	12-3-07	Italian	15 d's	23 Trackman	Mine cars.....	Fracture of collar bone; ribs fractured on right side.
21	Monongah No. 6.....	Patsy McDonnell.....	12-6-07	American	1 yr	18 Tipplesman	Flying coal from expl'n	Face and hands cut.
22	Monongah No. 8.....	Joe Newton.....	12-6-07	American	2 yrs	26 Outside lab'r	Explosion of dust.....	One eye out; both legs broken; finger mashed.
23	New England.....	Louie Spinozi.....	1-14-08	Italian	4 mos	19 Miner	Fall of slate.....	Foot cut and a bone broken.
24	Monongah No. 6.....	Clarence Empling.....	1-16-08	American	13 d's	19 Driver	Mine cars.....	Collar bone broken.
25	Chatham No. 1.....	Thomas Staley.....	2-21-08	American	14 yrs	45 Miner	Fall of slate.....	Fract. of right arm; dis. knee.
26	Gaston.....	Joseph Vargo.....	2-22-08	Hungar'n	2 yrs	21 Driver	Mine cars.....	Left ankle dislocated.
27	Gaston.....	John Lanier.....	3-7-08	Negro	3 mos	28 Miner	Fall of slate.....	Fingers and hand mashed; two fingers amputated.
28	Chatham No. 1.....	Dominick Lasca.....	3-9-08	Polish	5 yrs	40 Miner	Fall of coal and slate.....	Brused body; contused hip.
29	Montana.....	Chas. Tetrick.....	3-9-08	American	1 mo	28 Outside lab'r	Railroad car at tippie.....	Left leg broken above the knee.

30	Montana.....	John Maduska.....	3-10-08	Slavish.....	4 yrs.	30	Mach. runner.....	Mining machine.....	Left leg injured and amputated 3 inches above the knee. Great toe, right foot, dislocated; collar bone dislocated; hand hurt back bruised. Fracture of bones in foot. Foot mashed. Left toes fractured. Fracture of shoulder blade and several ribs on right side. Right foot crushed. Right shoulder & hip bruised. Collar and jaw bone broken. Fracture of right leg. Right leg broken above knee. Body squeezed. Right side of chest bruised. Left leg and ankle fractured. 2 toes and bone in foot broken. Leg injured.
31	New England.....	James Piccicaco.....	3-16-08	Italian.....	5 yrs.	26	Miner.....	Mining machine.....	
32	Shaft.....	Donimick Stingo.....	3-27-08	Italian.....	13 yrs.	38	Miner.....	Fall of coal.....	
33	Chatham No. 1.....	Frank Talerico.....	4-6-08	Italian.....	13 days	33	Loader.....	Fall of slate.....	
34	Hutchinson.....	C. J. Ruble.....	4-13-08	American.....	6 mos.	35	Mach. helper.....	Mining machine.....	
35	Kingsford.....	Reynier Watkins.....	4-24-08	American.....	4 yrs.	35	Driver.....	Mine cars.....	
36	Stafford.....	Carl Onoway.....	5-3-08	American.....	23 yrs.	23	Driver.....	Mine cars.....	
37	Chifton.....	Frank Locole.....	5-13-08	Italian.....	7 yrs.	51	Miner.....	Fall of slate.....	
38	Enterprise.....	John Ford.....	5-13-08	American.....	2 wks.	19	Driver.....	Mine cars.....	
39	Federal.....	Wm. Booby.....	5-27-08	Polish.....	my yrs.	40	Miner.....	Fall of slate.....	
40	Monongah No. 8.....	Mike Rosowic.....	5-28-08	Slavish.....	2 mos.	25	Miner.....	Flying coal.....	
41	Hutchinson.....	Joe Bacoot.....	5-29-08	Italian.....	3 wks.	21	Loader.....	Fall of slate.....	
42	Montana.....	Steve Zubek.....	5-30-08	Slavish.....	6 mos.	21	Miner.....	Fall of coal.....	
43	Federal.....	W. A. Ash.....	6-5-08	American.....	my yrs.	30	Miner.....	Mine cars.....	
44	New England.....	John N. Yost.....	6-8-08	American.....	8 yrs.	60	Tipple man.....	Tipple basket.....	
45	New England.....	Frank Irving.....	6-23-08	American.....	6 mos.	19	Loader.....	Fall of coal.....	
46	New England.....	Walker Welling.....	6-23-08	American.....	6 yrs.	19	Driver.....	Fall of coal.....	
47	New England.....	Nick Atstick.....	6-24-08	Polish.....	8 mos.	19	Miner.....	Electric motor.....	
<i>Monongalia County.</i>									
48	Sabraton No. 5.....	Andrew McGee.....	7-5-07	American.....	10 yrs.	27	Brakeman.....	Mine cars.....	
49	No. 5.....	Samuel Yost.....	8-24-07	American.....	1 yr.	23	Miner.....	Fall of slate.....	
50	Richard No. 1.....	Andy Honess.....	12-6-07	Slavish.....	8 yrs.	22	Miner.....	Mine cars.....	
51	Sabraton No. 5.....	Weston Gerord.....	4-17-08	Italian.....	2 mos.	40	Miner.....	Fall of slate.....	
52	Beechwood.....	Henry Poling.....	7-13-08	American.....	5 yrs.	21	Brakeman.....	Mine cars.....	
<i>Marshall County.</i>									
53	Hitchman.....	Joe Katchinski.....	8-17-07	Slavish.....	18 mos.	35	Loader.....	Fall of stone.....	
54	Hitchman.....	Peter Morris.....	10-11-07	Austrian.....	unk'n	35	Loader.....	Fall of slate.....	
55	Hitchman.....	Stephen Furby.....	11-30-07	Slavish.....	unk'n	30	Miner.....	Fall of slate.....	
56	Benwood.....	Shack Deavers.....	3-23-08	American.....	my yrs.	45	Trackman.....	Fall of slate.....	
57	Hitchman.....	Mike Talf.....	4-20-08	Hungarian.....	1 yr.	45	Loader.....	Mine cars.....	
<i>Barbour County.</i>									
58	Junior.....	Andrew Knaggs.....	7-1-07	American.....	2 yrs.	21	Driver.....	Mine cars.....	
59	Century No. 1.....	Geo. Gerritch.....	7-5-07	Serbian.....	unk'n	28	Mach. helper.....	Fall of slate.....	
60	Junior.....	Jethro Moore.....	7-12-07	American.....	8 yrs.	50	Miner.....	Fall of slate.....	
61	Century No. 1.....	W. E. Beavers.....	9-25-07	American.....	8 yrs.	23	Brakeman.....	Fall of slate.....	
62	Century No. 1.....	Oscar Armes.....	9-30-07	American.....	sevyrs	28	Motorman.....	Electric motor.....	
63	Midland.....	York Blaza.....	10-21-07	Unknown.....	unk'n	22	Miner.....	Fall of coal.....	
64	Century No. 1.....	John Jesse.....	2-6-08	Italian.....	2 mos.	33	Miner.....	Mining machine.....	
65	Century No. 1.....	John Oralg.....	2-19-08	Italian.....	2 mos.	25	Miner.....	Explosion of cartridge.....	
66	Century No. 1.....	John Harkimer.....	6-12-08	Polish.....	2 mos.	35	Miner.....	Premature explosion.....	

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
<i>Harrison County.</i>								
67 Meadowbrook	Oscar Martin	7-2-07	American	14 mos.	38	Miner	Explosion of cartridge.	Face burned, also arms, hands and fingers of right hand badly mashed.
68 Pinckinnick	Frank Menot	7-19-07	Italian	4 yrs.	39	Tippie man	Mine cars (outside)	Fingers of right hand badly mashed.
69 Columbia	Andy Stopick	8-3-07	Slavish	2 yrs.	20	Driver	Mine cars	Left heel cut and bruised.
70 Ehlen	Ben Leonsen	8-3-07	American	10 days	18	Driver	Mine cars	Filps by sled, fracture ankle bone.
71 Pinckinnick	Garber Karkosky	8-13-07	Slavish	12 yrs.	48	Loader	Fall of coal	Tight leg broken, nose cut.
72 Lynch	Chas. Renoir	8-16-07	Italian	18 mos.	36	Miner	Fall of coal	Right leg broken below knee.
73 Perry	Wash Metro	8-14-07	Hungarian	6 mos.	33	Mach. helper	Mining machine	Left foot mashed off below instep.
74 Columbia	Born Davis	8-21-07	American	1 mo.	19	Laborer	Railroad car at tippie (outside)	Head cut and bruised.
75 Enterprise	Sam Villanti	8-27-07	Italian	3 mos.	18	Loader	Mine cars	Left leg broken bet. knee and ankle.
76 Globe	Bill Oliveira	8-28-07	Italian	3 yrs.	22	Loader	Fall of coal	Left arm broken & scalp wounds.
77 Viropa	Martin Sez	8-28-07	Hungarian	2 1/2 mos.	32	Miner	Fall of coal	Two ribs broken, hand bruised.
78 Ehlen	Tony Oliveira	8-31-07	Italian	2 mos.	19	Car Trimmer	Railroad car at tippie (outside)	Broken ankle.
79 Solon	Cecil Martin	9-7-07	American	6 yrs.	25	Mach. runner	Fall of slate	Two ribs & spinal col. broken.
80 Pitcairn	Chas. Johnson	9-10-07	American	2 yrs.	28	Driver	Mine cars	Arm broken.
81 Fairmore	Eliert Shuttlesworth	9-14-07	American	16	Coupler	Miner	Mine car (outside)	Broken arm.
82 Dixie	Clyde Reid	9-26-07	American	5 yrs.	29	Miner	Fall of slate	Left leg broke 3 in. above ankle.
83 Booz	Martin Noon	10-7-07	American	3 yrs.	55	Mach. runner	Mining machine	Two bones broken in foot.
84 Erie	Visco Throdie	10-16-07	Polish	unkn.	19	Miner	Fall of slate	Head bruised and cut.
85 Ehlen	Tony Oliveira	10-18-07	Italian	3 mos.	19	Driver	Mine cars	Arm broken.
86 Harold	Frank Alcobella	10-28-07	Italian	2 yrs.	22	Driver	Mine car (outside)	Leg broken.
87 Grand No. 1	John Marra	10-31-07	Italian	3 yrs.	19	Tippie man	Mine cars	Left leg broken below knee.
88 Ehlen	A. J. Beverly	10-31-07	American	6 yrs.	33	Driver	Mine cars	Right thigh bone broken.
89 Solon	Bill Mchl	11-13-07	American	3 yrs.	32	Loader	Falling down	Fracturing right arm.
90 Gypsy	Born Trico	11-25-07	Italian	2 yrs.	19	Driver	Fall of coal	Comp. frac. left leg 3 in. ab. ankle.
91 Viropa	Pavo Bedokovic	11-26-07	Austrian	3 wks.	23	Miner	Fall of coal	Face cut by flying coal.
92 Meadowbrook	P. F. McDougal	11-27-07	American	7 yrs.	53	Miner	Explosion of shot	Left leg broken between knee and thigh.
93 Interstate	Chas. Joseph	11-30-07	Syrian	3 mos.	22	Loader	Fall of slate	Right leg broken at ankle.
94 Gypsy	Joe Farnegnamo	12-4-07	Italian	2 mos.	25	Loader	Fall of slate	Hip dislocated.
95 Grand No. 2	Sam Pizera	12-4-07	Italian	6 mos.	24	Driver	Mine car	Leg badly bruised below knee.
96 Marshall	Tony Buchman	12-14-07	Slavish	3 yrs.	35	Miner	Fall of coal	Ends of three fingers cut off.
97 Gypsy	W. Z. Leonard	1-7-08	American	10 yrs.	47	Mach. helper	Mining machine	Compound frac. right knee & body bruised.
98 Ehlen	Brady Malone	1-8-08	American	20 yrs.	36	Boss driver	Mine cars	Left arm broken below elbow.
99 Pinckinnick	John Keeler	1-8-08	Polish	2 yrs.	26	Driver	Mine cars	

100 Pinnickinnick	Albert Namit	1-30-08	Slavish	3 yrs	45 Miner	Fall of coal	Left arm broken at wrist.
101 Columbin	George Harjel	1-30-08	Slavish	3 yrs	36 Miner	Fall of slate	Right leg broken above knee.
102 Hutchinson No. 2	Salvatore Morasco	2-10-08	Italian	unk'n	Miner	Fall of slate	Scalp wound & loss of great toe
103 Robinson Inn	Wm. O. Grandstaff	2-14-08	American	11 yrs	26 Driver	Mine cars	Left arm badly lacerated
104 Pinnickinnick	Geo. Zudas	2-20-08	Italian	unk'n	45 Miner	Fall of slate	Head injured, right leg bruised
105 Perry	Leone Foth	2-21-08	Hungar'n	5 yrs	35 Miner	Mine cars	Laceration of right hand
106 Perry	Ezod Kerosi	3-6-08	Austrian	1 yr	20 Miner	Point of pick	Puncture wound of foot
107 Lynch	Ed Can	3-19-08	American	22 mos	32 Driver	Mine cars	One bone broken in right arm.
108 Two Lick	Martin Gandy	3-20-08	American	9 mos	18 Driver	Mine cars	Wrist joint displaced.
109 Cook	Uno A. Lewis	3-23-08	American	unk'n	29 Miner	Fall of coal	Right foot & toes mashed, and legs bruised
110 Dunham	Ben Oliverio	4-1-08	Italian	3 yrs	21 Miner	Mine cars	Fractured hip.
111 Marshall	H. J. Hoffman	4-23-08	American	25 yrs	39 Wheelman	Mine car (outside)	Side injured.
112 New Chieftain	Isaac Gerrard	4-27-08	American	6 yrs	55 Miner	Fall of slate	Right ankle dislocated.
113 Harold	Antonio Altobella	5-2-08	Italian	2 yrs	18 Miner	Powder explosion	Face and hands burnt.
114 Harold	Joe Gurel	5-2-08	Italian	1 1/2 yrs	30 Miner	Powder explosion	Face and hands burnt.
115 Pinnickinnick	Emmit Cross	5-5-08	Italian	4 mos	31 Miner	Fall of coal	Head cut in two places, paralysis of lower limbs.
116 Hero	H. O. White	5-9-08	American	1 yr	28 Laborer	Fall of slate	Nose broken, back injured.
117 Pucarn	Albert McIntyre	5-13-08	American	se yrs	24 Driver	Mine cars	Arm broken bet. elbow & shld'r
118 Despard	Pat Cottingham	5-14-08	Irish	6 mos	45 Truckman	Steel falls	Left arm badly injured.
119 Erie	B. L. Lockhart	5-17-08	American	unk'n	21 Driver	Mine cars	Foot mashed.
120 O'Garra	Tony Opp	5-19-08	Italian	4 yrs	19 Driver	Fall of coal & slate	Left leg broken bet. knee & hip
121 Marshall	Samuel Fry	5-19-08	American	3 yrs	21 Driver	Mine cars	Right arm bruised, scalp w'nds
122 Erie	Steve Stefoniok	5-26-08	Polish	unk'n	35 Miner	Fall of coal	Leg lacerated
123 New Chieftain	Wm. T. Johnson	5-26-08	American	16 yrs	38 Mach. runner	Mining machine	Laceration of thumb, right leg injured.
<i>Lewis County.</i>							
121 Sarah B.	Mike Yandi	8-28-07	Italian	1 yr	18 Miner	Loc'm'tive engine (out-side)	Scalded
125 Sarah B.	Clarence Louthier	8-28-07	American	5 yrs	23 Miner	Loc'm'tive engine (out-side)	Scalded.
126 Sarah B.	Melvin Allen	8-28-07	American	10 yrs	30 Miner	Loc'm'tive engine (out-side)	Scalded.
<i>Taylor County.</i>							
127 New York	Antonio Cololo	8-8-07	Italian	unk'n	40 Miner	Blown through shot	Jaw broken, face badly cut.
128 Rosemont	Stanko Stanko	8-12-07	Slavish	unk'n	Miner	Fall of coal	Leg injured
129 Wendel	Andrew Zupnick	9-7-07	Slavish	unk'n	35 Mach. helper	Fall of coal	Leg broken 3 places bet'w knee
130 Winona	Wm. C. Lawler	9-9-07	American	unk'n	33 Miner	Fall of slate	Leg broken.
131 T. B. Davis	Chas. Drainer	9-10-07	American	5 yrs	25 Laborer	Haulage rope	Fract. left leg below knee.
132 Pittsvein	Ross Manfre	9-20-07	Italian	unk'n	33 Miner	Fall of coal	Back injured.
133 Sandlick	Charles Savanie	12-23-07	Slavish	8 yrs	40 Miner	Explosion of shot	Face burned.
134 Rosemont	John Siren	5-30-08	Slavish	many	40 Miner	Fall of slate	Left leg broken
135 Pittsvein	Ruey Myers	6-6-08	American	3 yrs	15 Trapper	Mine cars	Double fracture of leg.
<i>Grant County.</i>							
136 Buffalo Creek	J. B. Blucker	9-29-07	American	2 yrs	20 Miner	Explosion of powder	2 Hands and neck burned.
137 Henry No. 22	James Kushing	11-23-07	American	1 yr	21 Brakeman	Mine cars	Bones broken in foot.
138 Buffalo Creek	Thomas Nell	12-11-07	American	4 yrs	22 Driver	Mine cars	Leg injured.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience	Age.	Occupation.	Nature of Accident.	Injury Sustained.
<i>Grant County.</i>								
139 Henry No. 22	Cont'd.	3-21-08	American	unk'n	25	Driver	Mine cars	4 toes mashed on right foot.
140 Henry No. 22	J. M. Prapher	4-27-08	Slavish	18 mos	20	Miner	Mine cars	Loss of index finger on right hand.
141 Henry No. 22	John Massulunas	5-20-08	Slavish	1 yr.	29	Miner	Explosion dynamite	Left hand & side of face burn'd
142 Henry No. 22	Paul Bullock	5-30-08	Slavish	10 yrs	32	Miner	Fall of coal	Left leg broken bet knee & ankle.
143 Henry No. 22	Paul Corbet	6-27-08	Italian	2 yrs.	23	Miner	Mining machine	Finger badly mashed.
144 Henry No. 22	Earnest Barton	6-30-08	Slavish	5 mos.	24	Miner	Fall of coal & slate	Ankle broken.
<i>Mineral County.</i>								
145 No. 20	Custer Simpson	10-17-07	American	6 mos.	15	Trapper	Mine cars	Hand badly mashed.
146 No. 14	Wm. Parr	10-22-07	American	2 yrs	32	Trapper	Mine cars	Ankle badly bruised
147 No. 20	George Hoey	12-3-07	American	1 mo.	16	Trapper	Mine cars	Ankle and leg mashed.
148 No. 9	Joseph Eryn	1-16-08	American	6 yrs	19	Driver	Mine cars	Bruised hip.
149 No. 9	Edward Burns	2-21-08	American	14 yrs	26	Miner	Fall of coal	Face and head bruised.
150 No. 20	Wm Coughlinour	3-25-08	American	4 mos	16	Miner	Fall of rock	Back injured.
151 No. 6	S. R. Taylor	4-24-08	American	16 yrs	50	Miner	Fall of rock	Right leg broken just above ankle.
<i>Preston County.</i>								
152 No. 1	John T. Bowmer	7-2-07	Unknown	unk'n		Miner	Fall of coal	Head and skull injured.
153 No. 1	G. G. Neville	7-18-07	American	unk'n		Miner	Fall of coal	Ankle injured
154 No. 1	S. E. Hebb	7-18-07	American	unk'n		Miner	Fall of coal	Right hip dislocated, back injured.
155 Irona	Chas. Mitchell	8-6-07	American	5 yrs.	21	Miner	Mine cars	Back injured; head cut.
156 Bretz No. 2	Geo. Kidd	8-9-07	Rumanian	12 yrs	31	Miner	Mine cars	Hips crushed; one rib broken.
157 No. 4	Harry Brand	9-17-07	American	14 yrs	36	Miner	Fall of coal	Leg broken.
158 No. 2	Angelo Scraphine	10-11-07	Italian	7 yrs	36	Miner	Fall of slate	Chest fractured.
159 No. 2	Wm. West	10-18-07	English	1 yr	42	Miner	Fall of coal	Leg broken.
160 Vulcan	Sam. McKnight	10-25-07	American	2 yrs.	62	Miner	Fall of slate	Foot injured.
161 Bretz No. 2	Jas. McInley	11-6-07	American	unk'n	17	Pumper	Mine pump	Loss of two fingers right hand.
162 No. 2	Nazrine deAgalese	12-5-07	Italian	4 yrs	23	Machine runner	Blown-out shot	Face and hands burned.
163 No. 6	Peter Saducel	12-12-07	Italian	3 yrs	21	Miner	premature explosion	Slightly burned.
164 No. 4	Wm. Turner	1-23-08	American	9 mos	16	Miner	Explosion of powder	Burned very badly.
165 No. 4	Jno. W. Turner	2-20-08	American	4 yrs	18	Miner	Explosion of powder	Right arm broken below elbow
166 Irona	D. C. Garbille	2-25-08	American	8 yrs	24	Trip rider	Mine cars	Leg and back injured.
167 Bretz No. 2	Valentine Rocco	3-7-08	Italian	2 yrs	40	Miner	Electric motor	Face burned
168 Victoria No. 2	C. W. Peters	3-7-08	American	13 yrs	20	Miner	Explosion of gas	Hip bruised.
169 No. 2	Geo. A. Brauch	3-9-08	American	5 yrs	20	Miner	Fall of slate	

170	Hovestville	Joseph K. Jeffreys ..	4-9-08	American	6 yrs	35	Miner	Fall of slate.	Collar bone broken; chest and back injured.
171	Bretz No. 2	Jacob Palentio	6-1-08	Italian	6 yrs	39	Miner	Mine car	Two fingers badly mashed.
172	Bretz No. 2	J. Y. Ralston	6-5-08	American	several yrs	43	Supt.	Hot water pump (out side)	Left leg severely scalded.
<i>Randolph County.</i>									
173	No. 2	Solomon Donaldson ..	7-13-07	American	35 yrs	48	Miner	Mine auger	Knee badly bruised.
174	Harding No. 3	Adam Miskoski	7-29-07	Polish	5 yrs	26	Driver	Mine cars	Bruising and mashing fingers of right hand.
175	No. 1	Lloyd Corley	8-3-07	American	8 yrs	27	Trip rider	Mine cars	Foot seriously mashed.
176	No. 3	Geo. Donaldson	10-1-07	American	8 yrs	25	Trip rider	Mine cars	Left leg injured
177	No. 5	Jerry Powley	10-10-07	German	20 yrs	31	Miner	Cross timber	Hand badly mashed.
178	No. 1	Blaine Simon	6-25-08	American	5 yrs	21	Driver	Mine cars	Collar bone broken.
<i>Tucker County.</i>									
179	No. 26	Wm. Pennington	8-13-07	American	2 mos.	14	Trapper	Mine cars	Chest mashed.
180	No. 27	Jacob Muranagus	9-20-07	Russian	4 yrs	33	Miner	Fall of slate	Leg broken.
181	No. 27	Geo. Urban	10-4-07	Polish	2 yrs	19	Driver	Mine cars	Body squeezed and face cut.
182	No. 23	James Burgoyne	10-8-07	American	1 yr	21	Miner	Mine cars	Arm broken
183	No. 36	Jno. Shinsky	10-14-07	Polish	unk n.	16	Driver	Mine cars	Foot badly mashed.
184	No. 36	Herman Redman	10-21-07	American	unk n.	19	Driver	Mine cars	Foot mashed.
185	No. 37	C. W. Scharar	10-24-07	American	28 yrs	43	Supt.	Electric wire	Leg badly burned.
186	No. 35	Patrick Foran	10-24-07	Austrian	2 mos.	15	Miner	Fall of coal	Collar bone broken.
187	No. 35	Sandy Harkawitch	10-24-07	Austrian	4 yrs	15	Driver	Mine cars	Leg broken.
188	No. 35	Bonna Bortz	11-23-07	Sicilian	3 mos.	20	Miner	Mine cars	Broken arm; head bruised.
189	No. 26	Joseph Rigotelli	11-25-07	Sicilian	1 yr	31	Miner	Mine cars	Back bruised.
190	No. 23	Dominick Scarfu	11-28-07	Italian	5 yrs	20	Miner	Fall of slate	Fingers badly mashed
191	Coketon No. 36	Andrew Deimore	12-1-07	Italian	unk n.	45	Laborer	Railroad car (outside)	Breast bone broken.
192	No. 32	Martin Falker	12-4-07	Austrian	4 yrs	40	Miner	Mine cars	Legs and feet mashed.
193	No. 37	Chas. Olden	12-11-07	Austrian	4 yrs	35	Driver	Mine cars	Ankle bruised.
194	No. 25	Adam Ghent	12-11-07	Lithuanian	3 yrs	31	Miner	Fall of slate	Ankle bone broken
195	No. 26	Wm. S. May	12-16-07	American	1 mo	36	Miner	Electric motor	Loss of three fingers left hand.
196	No. 23	Howard Lewis	1-7-08	American	2 yrs	22	Driver	Mine cars	Foot mashed.
197	No. 36	Oscar Haas	1-8-08	American	2 yrs	17	Motorman	Electric motor (o' tside)	Ankle crushed.
198	No. 23	John Miller	1-10-08	Polish	2 yrs	30	Driver	Mine cars	Foot mashed.
199	No. 23	Andrew Netro	1-20-08	Slavish	5 yrs	25	Miner	Mine cars	Back injured.
200	No. 35	Joseph Gaspadoris ..	1-23-08	Slavish	2 yrs	23	Miner	Mine cars	Left shoulder wounded.
201	No. 37	Frank Jallus	2-1-08	Negro	8 yrs	35	Miner	Fall of coal	Leg broken.
202	No. 34	Charles Johnson	2-8-08	Negro	8 yrs	35	Miner	Fall of slate	Head injured.
203	No. 34	Wm. W. Watson	2-13-08	American	3 mos	70	Carpenter	Bbl. of bl'g wat. (o' tside)	Leg scalded.
204	Coketon No. 36	Adam Norman	3-12-08	Lithuanian	unk n.	35	Miner	Fall of slate	Bone in left leg broken; ankle injured.
205	No. 23	John Wassor	3-23-08	Polish	1 yr	26	Miner	Explosion of powder	Face and legs burned.
206	No. 23	Louie Pasquale	3-23-08	Italian	1 yr	22	Miner	Explosion of powder	Face burned.
207	No. 34	John Strubling	4-14-08	Polish	3 mos.	24	Miner	Fall of slate	Leg broken.
208	No. 23	Joe Klibert	4-24-08	Lithuanian	4 yrs	47	Miner	Mine cars	Breast and knee injured.
209	No. 36	Joseph Cochinsky	4-25-08	Russian	2 yrs	22	Miner	Explosion of Dynamite	Wounds of abdomen.
210	Beacon	Nick Golubich	5-27-08	Austrian	2 yrs	32	Miner	Fall of slate	Back and leg injured.
211	No. 23	Alex. Mazifres	6-8-08	Polish	12 yrs	50	L'br on tippie	Electric motor (o' tside)	Body squeezed.
212	No. 34	John Bechuk	6-20-08	Polish	1 yr	27	Driver	Fall of slate	Both legs broken.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
	<i>Braxton County.</i>								
213	No. 11	Peter Busseyer	7-17-07	Austrian	2 yrs.	28	Miner	Fall of slate	Foot mashed.
214	Copen. No. 11	Toney Volga	5-12-08	Italian	1 yr.	27	Miner	Fall of slate	Hand and finger mashed.
215	No. 10	Robert Bright	5-25-08	American	3 yrs.	39	Driver	Mine cars	Back injured
	<i>Fayette County.</i>								
216	Ephraim Creek	John Filburn	7-1-07	American	15 days	15	Tiptle boy	Mine cars	Foot mashed.
217	No. 1	Peter Celene	7-4-07	Polish	1 yr.	25	Miner	Mine cage	Neck injured.
218	No. 1	Homier Heldren	7-8-07	American	4 yrs.	21	Mach. run'r	Mining machine	Contusion of right knee.
219	No. 1	John Hemmings	7-10-07	American	2 wks.	12	Miller	Mine cars	Hand lacerated.
220	Columb	M. Parsons	7-20-07	American	unk'n.	35	Driver	Kicked by mule	Two ribs broken; head cut.
221	No. 2	Joseph Horsely	7-22-07	American	unk'n.	32	Loader	Fall of slate	Back and leg injured.
222	Minden No. 3	Wm. Clark	7-22-07	Negro	2 yrs.	32	Miner	Fall of slate	Leg broken.
223	Sherwood	James Shumpton	7-23-07	Negro	unk'n.	22	Fireman	Fall of coal (outside) in boiler room	Left leg broken 2 in. above knee
224	Wingrove	Frank Smith	7-25-07	Polish	unk'n.	24	Miner	Fall of slate	Back injured.
225	Carlisle	Conrad Smith	7-26-07	Syrian	20 yrs.	32	Miner	Fall of slate	Leg broken; arm injured.
226	Beechwood No. 2	J. A. Dorsey	7-31-07	American	unk'n.	38	Driver	Mine cars	Body squeezed.
227	Star	J. C. Conway	8-10-07	American	15 yrs.	38	Miner	Fall of slate	Bones broken in foot
228	No. 2	Andrew Black	8-14-07	Hungarian	20 yrs.	45	Miner	Fall of slate	Back injured.
229	No. 5	Ed. Hicks	8-14-07	American	unk'n.	33	Miner	Fall of coal	Leg broken below knee.
230	Red Ash	James Mable	8-16-07	Negro	3 mos.	20	Miner	Fall of slate	Leg broken.
231	Carlisle	Major Stoball	8-16-07	American	2 yrs.	17	Driver	Mine cars	Mashed through hips.
232	Echo	Ed. Tweedy	8-27-07	Negro	5 yrs.	20	Driver	Mine cars	Leg broken.
233	No. 14	Harvey Fortner	8-28-07	American	15 yrs.	30	Miner	Mine cars	Right foot mashed.
234	Glendale	Wm. Haynes	8-31-07	Negro	5 yrs.	32	Driver	Mine cars	Leg broken.
235	Star	Chas. Brunner	9-4-07	German	18 mos.	16	Driver	Mine cars	Leg broken.
236	Macdonald	Haywood Wright	9-5-07	Negro	13 yrs.	33	Driver	Gas explosion	Head, neck and hands burned.
237	No. 1	Samuel Ellis	9-13-07	American	unk'n.	15	Mach. helper	Fall of coal	Internal injuries.
238	No. 1	Chas. Stockton	9-18-07	American	5 yrs.	21	Mach. helper	Electric motor	Dislocating vertebrae.
239	Whipple	John Prencutis	9-19-07	Hungarian	2 yrs.	25	Miner	Fall of coal	Seriously crushed.
240	Sun	Toney Angelo	9-21-07	Italian	2 mos.	23	Driver	Mine cars	Leg broken.
241	No. 3	Ellis Nichols	9-23-07	American	7 yrs.	22	Tracklayer	Fall of slate	Thigh crushed.
242	Nuttallburg	James Johnson	9-24-07	Negro	2 wks.	21	Driver	Mine cars	Leg broken and amputated.
243	Edgewater	Otto Merz	10-1-07	Swiss	20 yrs.	47	Miner	Fall of slate	Leg broken.
244	No. 5	John Ragaski	10-1-07	Polish	9 mos.	23	Miner	Fall of slate	Left leg broken, right hip dislocated.
245	Onard	Oakley Shumpton	10-3-07	American	17 days	18	Miner	Fall of slate	Leg fractured.
246	Ephraim Creek	Thos. McDaniel	10-4-07	American	15 yrs.	35	Miner	Mine cars	Hips injured.

247 Hickory Camp	T. L. Lovely	10-8-07	American	unk'n	Miner	Fall of slate	Right knee dislocated, ankle injured
248 No. 2	James Lybrook	10-8-07	Negro	9 yrs. 40	Miner	Fall of slate	Crushed through hips.
249 No. 5	Harry Green	10-12-07	American	20 yrs.	Miner	Lump of coal (outside) on incline	Hip bruised.
250 No. 2	Michael Koval	10-14-07	Hungar'n	unk'n	18	Coupler	Fingers crushed.
251 Carlisle	Clayton Mitchell	10-15-07	American	1 yr.	15	Trapper	Left hand injured.
252 No. 2 South	Angelo Petro	10-21-07	Italian	1 yr.	23	Miner	Face and hands burned.
253 No. 2 South	Angelo Severano	10-21-07	Italian	6 mos.	18	Miner	Face and hands burned.
254 No. 1	John Dews	10-22-07	Negro	3 yrs.	23	Miner	Toes mashed, end of one amputated.
255 Stone Cliff	A. M. Burton	10-22-07	Negro	2 yrs.	28	Miner	Broken thigh.
256 Minden No. 5	John Watson	10-23-07	American	2 yrs.	16	Motor runner	Leg broken below knee.
257 Sherwood	Ford Bowden	10-23-07	American	unk'n	19	Driver	Legs bruised.
258 Minden No. 2	Fred Sudarski	10-25-07	German	unk'n	55	Miner	Back injured.
259 Sherwood	Quince Coleman	10-29-07	American	unk'n	20	Mach. runner	Back and shoulders injured.
260 Sherwood	Tom Neighbors	10-29-07	American	unk'n	21	Mach. helper	Back and shoulders injured.
261 Mill Creek	J. A. Johnson	11-4-07	American	35 yrs.	56	Mine foreman	Back injured.
262 Rush Run	Dick Kenney	11-5-07	Negro	7 mos.	30	Driver	Back badly injured.
263 Stuart	Fred Watts	11-9-07	English	6 yrs.	31	Miner	Mashed through hips and legs.
264 Rush Run	Robert Brown	11-9-07	Negro	6 mos.	24	Driver	Badly bruised.
265 Erskine	T. J. Hayes	11-12-07	Irish	1 yr.	33	Miner	Body bruised.
266 Sun	Antonio Klatzler	11-12-07	Italian	unk'n	26	Miner	Internal injuries
267 Whipple	Mose Jackson	11-13-07	Negro	1 mo.	27	Laborer	Lacerated heel, ankle injured.
268 Dimmock	Jobe McOmair	11-15-07	American	3 yrs.	32	pumper	Leg fractured.
269 No. 2 Gas	Has Burnett	11-15-07	American	3 yrs.	17	Motor helper	Foot mashed.
270 Elk Ridge No. 1	Ben Null	11-21-07	American	8 yrs.	18	Driver	Arm broke above elbow.
271 Hemlock Hollow	Geo. Jones	11-22-07	Negro	4 yrs.	23	pumper	Leg broken.
272 Whipple	Lloyd Mills	11-22-07	American	3 yrs.	32	Miner	Col. bone brok'n, rib fractu'd.
273 Ephraim Creek	P. Henderson	11-25-07	Negro	3 yrs.	25	Trackman	Face and side injured
274 Blume	Ed Shields	11-27-07	American	1 yr.	16	Driver	Injured over right eye.
275 Collins	Mike Paksa	12-4-07	Hungar'n	2 yrs.	35	Laborer	Crushed through chest.
276 No. 3	Rufus Tibbs	12-9-07	American	5 yrs.	24	Driver	Stomach mashed.
277 No. 5	Martin Mills	12-9-07	American	8 yrs.	33	Miner	Back and hips injured.
278 Turkey Knob	Amos Jones	12-11-07	Negro	2 yrs.	24	Miner	Leg broken below knee
279 No. 14	M. C. Tucker	12-10-07	American	2 yrs.	20	Driver	Compound fracture of nose.
280 Sugar Creek	Chas. Rose	12-12-07	Negro	2 yrs.	22	Driver	Body and face cut and bruised.
281 Ephraim Creek	M. Smith	12-12-07	American	2 yrs.	19	Brakeman	Leg broken below knee
282 Layland	Nazarp Forry	12-13-07	Syrian	3 yrs.	30	Miner	Leg broken below knee
283 Rush Run	Jacques Boychuck	12-14-07	Russian	unk'n	21	Driver	Badly bruised.
284 No. 5	Geo. Russ	12-16-07	Negro	1 mo.	25	Driver	Leg broken just above ankle.
285 Caperton	P. S. Williams	12-18-07	American	unk'n	28	Miner	Head and ear injured.
286 No. 1	Howard Brown	12-21-07	American	sev. yrs.	26	Driver	Left leg injured.
287 No. 5	Frank Kleindler	12-21-07	German	unk'n	30	Miner	Hands & face severely burned.
288 No. 5	J. H. Givens	12-21-07	American	unk'n	23	Miner	Hands & face slightly burned.
289 No. 14	Wm. Glover	1-7-08	American	unk'n	35	Driver	Foot mashed.
290 Michigan	Samuel Bryant	1-10-08	American	unk'n	17	Miner	Face & forehead cut & bruised.
291 Harvey	Hayes Morris	1-13-08	Negro	6 yrs.	22	Driver	Collar bone fractured.
292 No. 1	Geo. Watkins	1-15-08	American	3 yrs.	25	Tippie man	Middle finger badly mashed.
293 No. 13	Wm. Smith	1-15-08	American	10 yrs.	41	Laborer	Leg bruised.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
<i>Fayette County—</i>								
294 Stone Cliff.....	Cont'd							
295 Kilsyth.....	Joe Mitchell.....	1-15-08	Negro	unk'n 30	32	Miner	Monitor (outside)	Leg broken.
296 No. 5.....	Robert Gruise.....	1-15-08	American	unk'n 22	30	Driver	Kicked by a mule	Fracture of left leg.
297 Layland.....	James Tyler.....	1-21-08	Negro	14 yrs.	28	Driver	Mine cars	Foot mashed.
298 Buchanan.....	W. Fox.....	1-21-08	American	8 yrs.	33	Miner	dynamite explosion	Head and hands burned.
299 Carlisle.....	Chas. A. Workman.....	1-23-08	American	13 yrs.	28	Miner	Full of slate	Leg broken.
300 Greenwood.....	Richard Proctor.....	1-23-08	American	18 mos.	24	Driver	Kicked by a mule	Jaw bone broken
301 No. 1.....	Louis Tucker.....	1-27-08	Negro	3 yrs.	19	Laborer	Charg. larry (outside)	Ankle injured, foreh'd bruise'd
302 Harvey.....	Ben Rice.....	1-28-08	American	1 mo.	25	Laborer	Fail of slate	Bone in leg broken.
303 Harvey.....	John Kelley.....	1-29-08	American	unk'n 24	31	Miner	Mine cars	Both legs broken.
304 Harvey.....	Thomas Evans.....	1-29-08	American	30 yrs.	52	Miner	Fail of slate	Left ankle b'k'n, frac. kneecap
305 Minden No. 2.....	Geo. Cheslock.....	1-30-08	Polish	unk'n 14	32	Trapper	Fail of slate	Breast injured.
306 Bachman.....	G. W. Cole.....	1-30-08	American	unk'n 32	31	Miner	Ellec. motor	Thigh broken.
307 No. 1.....	Geo. Ellis.....	2-7-08	American	unk'n 12	non-employe	Fail of slate	Explosion of dust	Head and forehead burned.
308 No. 2 South.....	Geo. Riser.....	2-7-08	American	35 yrs.	48	Driver	Premature blast	Both legs broken
309 No. 14.....	Edward Gay.....	2-8-08	American	10 yrs.	23	Miner	Fail of slate	Eye, head & hand cut & bruise'd.
310 Kohlnoor.....	James Cook.....	2-11-08	American	unk'n 23	30	Brakeman	Inc. mine cars (outside)	Hips and right cheek injured.
311 Kohlnoor.....	Lewis Bibb.....	2-11-08	American	unk'n 30	30	Miner	Inc. mine cars (outside)	Arm broken, hip bruised.
312 Kohlnoor.....	Geo. G. Allen.....	2-11-08	Negro	15 yrs.	35	Miner	Inc. mine cars (outside)	Leg broken
313 Jones.....	Stephen Solis.....	2-12-08	Polish	sev yrs.	40	Miner	Fail of slate	Elip and leg injured.
314 Scarbro.....	Stephen Gardner.....	2-17-08	English	8 yrs.	22	Miner	Fail of slate	Back and hips contused.
315 Sunny Side.....	John Berry.....	2-17-08	Negro	4 mos.	30	Driver	Fail of slate	Crushed chest.
316 Bungien.....	C. R. Williams.....	2-19-08	American	sev yrs.	32	Trackman	Cutting iron rail	Back injured.
317 No. 2 South.....	Tom Prynst.....	2-24-08	Polish	13 yrs.	32	Miner	Fail of slate	Loss of one eye.
318 No. 2 South.....	Verlin Adkins.....	2-24-08	American	3 yrs.	18	Driver	Mine cars	Head and breast injured
319 Sun.....	Emil Gurtzen.....	3-4-08	German	3 yrs.	35	Miner	Mine cars	Foot badly mashed.
320 Star.....	Wm. Kohn.....	3-9-08	Russian	5 yrs.	32	Miner	Fail of slate	Chest and ribs injured.
321 Blume.....	John Bennett.....	3-9-08	American	unk'n 14	35	Miner	Fail of slate	Hips mashed.
322 Big Bend.....	Maseo Goff.....	3-13-08	Negro	unk'n 10	43	Miner	Mine cars	Wrist broken; hips squeezed.
323 No. 3.....	John Smith.....	3-13-08	Russian	10 yrs.	33	Miner	Fail of coal	Dislocated hip.
324 Hickory Comp.....	Mike Squinolo.....	3-21-08	Un-known	10 yrs.	35	Miner	Fail of slate	Right leg broken.
325 Parral Air Shaft.....	John Davis.....	3-21-08	English	20 yrs.	36	Sinker	Explosion of dynamite.	Dislocated hip
326 Parral Air Shaft.....	Frank Thomas.....	3-21-08	English	10 yrs.	24	Sinker	Explosion of dynamite	Right elbow injured; hearing impaired.
327 Parral Air Shaft.....	Rob't Davis.....	3-21-08	English	16 yrs.	26	Sinker	Explosion of dynamite	Neck injured.
328 Parral Air Shaft.....	Wm. H. Gregory.....	3-21-08	English	15 yrs.	28	Sinker	Explosion of dynamite.	Right hand injured
329 Big Q.....	Samuel Adkins.....	3-24-08	American	1 yr.	15	Trap rider	Locomotive	Left eye and arm injured.
330 Gaymont.....	Henan Duncan.....	3-24-08	American	8 mos.	25	Driver	Mine cars	Head, shoulders & scalp w'nds

No. 1.	Geo. Mesarus	3-24-08	Hungar'n	5 yrs.	26	Miner	Fall of coal	Leg broken.
332	Kilseyth	3-27-08	Negro	unk n.	37	Bailer	Mine cars.	Hips and back injured.
333	Minden No. 2	3-28-08	Polish	unk n.	37	Miner	Fall of slate.	Ankle badly bruised.
334	John Sedgewood	3-30-08	Italian	4 yrs.	18	Spragger	Mine cars.	Right eye and left leg injured.
335	John Petrazella	4-1-08	Italian	unk n.	22	Miner	Fall of slate.	Head and ankle injured.
336	Charles West	4-6-08	Italian	14 mos.	18	Tippie	Triple (outside).	Law broken; ankle sprained.
337	Carmela Catena	4-9-08	American	2 mos.	35	Miner	Mine cars (outside).	Knee injured.
338	Jake Huffman	4-9-08	Hungar'n	4 yrs.	18	Mach. runner	Fall of coal	Collar bone dislocated.
339	Mike Lastover	4-10-08	English	3 yrs.	28	Miner	Mining machine	Foot badly cut.
340	Thos. Haynes	4-10-08	Negro	14 yrs.	28	Miner	Premature shot	Loss of one finger; arm injured
341	Wallace Powell	4-10-08	Negro	30 yrs.	62	Supt.	Fall of slate.	Body badly bruised.
342	R. A. Barthan	4-14-08	American	4 mos.	38	Mach. runner	River incline (timber)	Left hand mashed.
343	Nuttallburg	4-16-08	Unknown	unk n.	30	Miner	Fall of slate.	Fore arm, back and ankle inj'd
344	Wm. Williams	4-16-08	American	1 yr.	16	Pumper	Kicked by a mule.	Back and face injured.
345	James Welf	4-17-08	American	sev yrs.	35	Miner	Fall of slate.	Broken ribs.
346	Wm. Johnson	4-20-08	Hungar'n	unk n.	30	Bailer	Mine car	Hips bruised and nose cut.
347	James Piscaroli	4-22-08	American	6 mos.	21	Miner	Scaffold and trestle	Foot mashed.
348	J. G. Dooley	4-24-08	American	4 yrs.	18	Driver	Monitor (outside)	Thumb left hand injured.
349	Emil Hill	4-24-08	American	10 days	22	Miner	Mine cars.	Foot crushed.
350	Jas. Brezendinge	4-24-08	Negro	3 yrs.	23	Miner	Fall of slate.	Leg injured.
351	Brooklyn	4-25-08	American	2 wks.	33	Laborer	Back and hips injured	Back injured.
352	Turkey Knob	4-25-08	Hungar'n	unk n.	36	Miner	Fall of coal	Right arm broken below elbow
353	Ed. McTeuf	4-30-08	Negro	10 yrs.	27	Miner	Fall of coal	Thumb of left hand mashed;
354	Mike Palko	4-30-08	Hungar'n	unk n.	56	Tippie	Mine cars (outside)	hand burst.
355	Charles Burdese	4-30-08	Negro	sev yrs.	22	Miner	Monitor (outside)	Left leg injured.
356	No. 4	5-2-08	American	10 yrs.	45	Loader	Fall of rock	Leg broken below knee.
357	Nuttallburg	5-2-08	Negro	10 yrs.	36	Miner	Mine car	Back injured.
358	Vulcan and South	5-2-08	Negro	18 yrs.	32	Slateman	Fall of slate.	Tw ribs broken.
359	Oakwood	5-2-08	Hungar'n	6 mos.	21	Trackman	Fall of slate.	Ankle fractured.
360	Harvey	5-6-08	Negro	10 yrs.	32	Miner	Fall of slate.	Chest and back injured.
361	Rush Run	5-6-08	Russian	1 wk.	37	Laborer	Fall of slate.	Back injured.
362	Rush Run	5-8-08	American	12 yrs.	26	Trip rider	Mine cars.	Body bruised.
363	No. 3	5-9-08	American	1 yr.	21	Brakeman	Fall of coal	Leg and knee injured.
364	Brooklyn	5-11-08	Negro	18 yrs.	41	Miner	Fall of slate.	Ankle injured.
365	Layland	5-12-08	Negro	5 mos.	30	Miner	Fall of slate.	Left thigh lacerated.
366	No. 2 South	5-13-08	Negro	3 yrs.	17	Driver	Blown-through shot	Hand mashed very badly.
367	Macdonald	5-14-08	Polish	5 yrs.	38	Miner	Electric motor.	Right leg broken.
368	Kilseyth	5-18-08	American	35 yrs.	50	Foreman	Mining machine	Back badly injured.
369	No. 2	5-19-08	American	6 mos.	23	Miner	Mine cars.	Face badly injured.
370	Scarbro	5-23-08	Hungar'n	5 yrs.	21	Miner	Premature shot	Right leg mashed.
371	Elmo	5-27-08	Italian	unk n.	20	Driver	Mine cars.	Right leg injured.
372	Harvey	5-29-08	German	3 yrs.	37	Miner	Premature shot	Right arm and scalp injured.
373	Rush Run	6-1-08	Negro	10 yrs.	25	Driver	Mine cars	Widens until l'd; left eye inj'd
374	No. 1	6-3-08	Negro	6 yrs.	21	Miner	Kicked by a mule	Face badly injured
375	Sparwood	6-4-08	American	7 yrs.	20	Mach. helper	Mining machine	Face squeezed.
376	Scarbro	6-4-08	American	7 yrs.	20	Mach. helper	Mining machine	Face injured.
377	Stuart	6-4-08	American	7 yrs.	20	Mach. helper	Mining machine	Ankle mashed.
378	Elmo	6-4-08	American	7 yrs.	20	Mach. helper	Mining machine	Ankle mashed.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
<i>Fayette County.</i>								
380 Sugar Creek.....	Cont'd.							
381 Rush Run.....	Olyde Birt.....	6-5-08	American	2 yrs. 18 mos.	26	Miner	Fall of slate.	Eye and cheek injured.
382 Hemlock Hollow.....	Geo. Carter.....	6-8-08	American	6 mos.	26	Driver.	Mine cars.	One rib fractured.
383 Sun.....	Slas Chapman.....	6-8-08	Negro	3 yrs. 23 mos.	23	Driver.	Kicked by a mule.	Jaw bone fractured.
384 Kilsyth.....	W. P. Palmer.....	6-10-08	American	unk'n.	30	Laborer	Mine car and bridge.	Right foot and ankle injured.
385 Collins.....	George Jarrell.....	6-10-08	American	20 yrs.	39	Miner	Fall of slate.	Left shoulder dislocated.
386 Turkey Knob.....	Maxza Poksa.....	6-11-08	Hungarian	2 yrs. 38 mos.	28	Laborer	Mine car (outside).	Left arm badly mashed.
387 Kilsyth.....	Cornelius Collins.....	6-11-08	American	30 yrs. 60 mos.	60	Miner	Fall of slate.	Left ear lacerated.
388 No. 2.....	Geo. Clark.....	6-15-08	English	unk'n.	24	Slateman	Fall of slate.	Contusion of body.
389 Sun.....	Chas. Banner.....	6-15-08	Negro	unk'n.	32	Driver.	Fall of slate.	Nose broke; eye injured.
390 Sun.....	John Wright.....	6-21-08	Slavish	2 yrs. 36 mos.	36	Miner	Kicked by a mule.	Contused wound of left cheek.
391 No. 4.....	Dennis McMillan.....	6-22-08	American	10 yrs. 28 mos.	28	Brakeman	Mine cars.	Face, hands & right eye injured (crushed through pelvis).
<i>Kanawha County.</i>								
392 Holly.....	Charles Spence.....	7-3-07	American	sev yrs.	20	Loader	Fall of coal.	Fracture left leg above ankle.
393 Republic.....	Martin Flesher.....	7-18-07	German	2 yrs.	46	Miner	Fall of slate.	Loss of right thumb at first joint; leg injured.
394 No. 2.....	Robt. Hartwell.....	7-24-07	Negro	sev yrs.	24	Miner	Fall of slate.	Foot badly mashed.
395 No. 2.....	Jno. W. Atkins.....	7-25-07	American	18 yrs. 37 mos.	37	Miner	Fall of slate.	Fracture of left arm and leg; foot amputated.
396 Red Warrior.....	John Nary.....	7-25-07	American	sev yrs.	44	Loader	Fall of coal.	Leg fractured; scalp wound;
397 Shamrock.....	Win. Kay.....	7-26-07	American	sev yrs.	26	Loader	Mining machine.	Leg fractured.
398 No. 2.....	Joseph Smith.....	7-27-07	Negro	25 yrs. 53 mos.	53	Miner	Fall of slate.	Hand severely cut.
399 No. 2.....	Grant Hill.....	7-30-07	Negro	my yrs.	30	Miner	Fall of slate.	Back injured.
400 No. 2.....	John Bennett.....	8-9-07	Negro	unk'n.	25	Driver	Mine cars.	Leg injured.
401 No. 2.....	Reuben Wilson.....	8-29-07	American	unk'n.	42	Weighter	Mine cars (outside).	Skull fractured.
402 Mill Creek.....	Jas. M. Buckner.....	9-3-07	American	18 yrs. 36 mos.	36	Miner	Explosion of shot.	Face, neck, hands & eyes burnt cut on face.
403 Mill Creek.....	Jno. D. Prows.....	9-3-07	American	6 yrs. 24 mos.	24	Miner	Explosion of shot.	Back and hips injured.
404 Ronda.....	Win. Stone.....	9-3-07	American	unk'n.	18	Brakeman	Fall of slate.	Collar bone broken.
405 Buckeye.....	Oris Tomporter.....	9-6-07	Italian	unk'n.	25	Miner	Fall of slate.	Fracture of bones in left leg.
406 Shamrock.....	Frank Ferone.....	9-26-07	American	sev yrs.	28	Miner	Electric motor	Feet mashed; bones broken.
407 Keystone.....	Ed Stover.....	9-26-07	American	unk'n.	19	Motor runner	Electric motor	Thigh & foot bruised; leg cut.
408 Keystone.....	Web Cooper.....	10-4-07	Unknown	8 yrs.	25	Miner	Mine cars.	Fracture of ankle.
409 No. 2.....	Van Phillips.....	10-4-07	American	sev yrs.	24	Driver.	Mine cars.	Left cheek cut; leg and arm bruised.
410 No. 3.....	T. J. Johnson.....	10-14-07	American	sev yrs.	24	Driver.	Mine cars.	Left cheek cut; leg and arm bruised.
411 West.....	David Brinkley.....	10-21-07	American	34 yrs.	54	Trackman	Fall of slate.	Leg broken.
412 Red Warrior.....	James Worley.....	10-23-07	American	9 yrs. 30 mos.	30	Loader	Fall of slate.	Leg bruised.

413	Standard	Wade Price	10-25-07	American	5 yrs.	45	Miner	Fall of coal	Foot and ankle mashed.
414	Empire	Brooks Hendrix	10-31-07	Negro	unk'n.	22	Driver	Mine cars	Laceration of right ankle.
415	Standard	Robt. Woody	11-3-07	American	4 yrs.	19	Driver	Mine cars	Leg broken.
416	United Splint	O. P. Farley	11-8-07	American	unk'n.	43	Trackman	Fall of slate	Leg broken.
417	Scranton	Erant Scott	11-15-07	American	3 yrs.	24	Miner	Fall of slate	Fracture of left leg.
418	No. 1	J. B. Helm	11-20-07	American	3 mos	14	Driver	Mine cars	Chest & hip inj'd; 2 toes b'k'n
419	Belmont	Charles Armstrong	11-21-07	American	2 mos	15	Coupler	Mine cars	Leg mashed
420	No. 3	Harvey Brichland	12-4-07	Unknown	unk'n.	15	Driver	Mine cars	Dislocated ankle.
421	No. 4	W. E. Smith	12-5-07	American	sev yrs	33	Nch. helper	Mining machine	Loss of 4 toes on one foot.
422	No. 5 Splint	Joe Dixon	12-5-07	American	3 yrs.	35	Loader	Fall of slate	Face and hip injured.
423	No. 1	Eli Hoy	12-12-07	American	3 yrs.	45	Laborer	Premature shot	Cut about face and eyes.
424	Caledonia	L. D. Perdew	12-12-07	American	3 mos	36	Nch. runner	Mining machine	Left foot torn off right ankle.
425	North	Miles Eplin	1-5-08	American	sev yrs	42	Loader	Premature shot	Burnt and bruised.
426	Ruby	Ke Gillisple	1-6-08	American	unk'n.	18	Driver	Mining machine	Leg broken.
427	Standard	K. N. Noble	1-7-08	American	2 yrs.	30	Miner	Fall of coal and slate	Compound fracture left leg.
428	Cherokee	Geo. Stone	1-13-08	Negro	1 yr.	22	Motorman	Electric motor	Leg broken.
429	No. 1	Wm. Withrow	1-20-08	American	myrs	38	Trackman	Fall of slate	Both legs broken.
430	North Machine	Paris Cooper	1-24-08	American	15 yrs	29	Miner	Fall of coal	Leg broken.
431	No. 8	Lee Parlick	2-8-08	American	unk'n	34	M. foreman	Fan motor	Dislocation of elbow.
432	Belleclare	John Grien	2-8-08	Polish	unk'n	25	Driver	Mine cars	Leg broken.
433	No. 4	James Hall	2-19-08	Polish	1 mo.	21	Driver	Kicked by a mule	Arm fractured.
434	No. 1	Laundor Nyorvl	2-22-08	Slavish	10 mos	40	Miner	Fall of coal	Leg broken; arm injured.
435	Greenbrier	Wm. Gray	2-24-08	American	12 yrs.	38	Driver	Fall of slate	Fracture of shoulder blade.
436	Grose	Marlon Peterson	3-3-08	American	12 yrs.	30	Motorman	Fall of coal	Arm broken.
437	Cherokee	Frank Buzzard	3-7-08	American	unk'n	18	Nch. helper	Fall of coal	Leg broken.
438	Empire	H. Martin	3-10-08	Negro	unk'n	40	Driver	Mine car	Fracture of wrist.
439	No. 109	F. E. Smith	3-12-08	American	5 yrs.	35	Miner	Fall of slate	Head & side in 'jd; fract'd rib.
440	Queen Shoals	J. B. Flemming	3-16-08	American	40 yrs	51	Miner	Fall of coal	Left leg broken.
441	Empire	Jesse Weaver	3-18-08	American	unk'n.	20	Driver	Mine cars	Collar bone fractured.
442	Standard	Wm. Tyfe	3-20-08	American	unk'n.	40	Miner	Fall of coal	Hip and back injured.
443	Banner	A. Burton	3-24-08	Negro	unk'n.	35	Nch. runner	Mining machine	Fracture of right leg.
444	Holly	Jno. Gilmore	4-11-08	Scotch	unk'n.	15	Trapper	Kicked by a mule	Fracture of skull.
445	Acme	John Rider	4-11-08	American	3 mos	20	Carpenter	Falling of tuppel (out S)	Back badly injured.
446	Acme	S. S.errick	4-11-08	American	3 yrs.	55	Miner	Falling of tuppel (out S)	Hips slightly injured.
447	Peerless	Henry Akers	4-15-08	American	1 yr.	55	Carpenter	Fall of slate	Back injured.
448	No. 104	Geo. Hicks	4-17-08	American	6 yrs	35	Miner	Mine cars (outside)	Hips mashed.
449	South Carbon	O. O. Williamson	4-22-08	American	3 yrs	35	Contractor	Electric motor	Loss of left arm at shoulder.
450	North Pick	C. L. Manderson	5-13-08	American	13 yrs	30	Weigher	Mine cars	Fracture of thigh.
451	Grose No. 2	Jas. Jaffard	5-15-08	American	unk'n.	42	Miner	Fall of slate	Fracture of leg.
452	Peerless Gas	O. M. Holsteln	6-12-08	American	13 yrs	23	Slateman	Explosion of shot	Eyes and head burned.
453	Putnam County.	Wm. Bumgarner	6-6-08	American	10 yrs	27	Motor helper	Electric motor	Hips crushed; face burnt by electricity.
454	Black Betsey								
455	Raleigh County.								
456	No. 3	Jacob Larse	7-26-07	American	5 yrs	20	Driver	Fall of slate	Left arm broken.
457	Graham	Joe Smith	8-10-07	Polish	unk'n	37	Miner	Fall of slate	Fracture of left thigh.
458	Skeleton	John Kores	8-22-07	Hung'n	3 yrs	30	Miner	Explos'n stick masurite	Face burnt.
459	Beckley	Jno. Amanta	9-11-07	Italian	3 mos	15	Trapper	Mine cars	Hand badly mashed.
460	Oranberry	F. M. Hill	9-20-07	American	11 mos	20	Miner	Water car	Hip injured.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
Raleigh County.									
459	No. 1.	Cont'd.							
460	No. 1.	Geo. Blakely	10-3-07	American	3 mos.	20	Miner	Mine cars (outside).	Left leg broken.
461	Stidney	Theo. Papka	10-15-07	Russian	4 mos.	30	Miner	Explo'n dynamite shot	Face and arms burned.
462	No. 6	S. E. Scott	10-18-07	Negro	unk'n	24	Driver	Mine cars	Fracture of left leg.
463	Sinking Shaft No. 2	Melvin Bittner	10-21-07	American	unk'n	15	Miner	Fall of coal	Collar bone broken.
464	Preece Hill	Wm. Winston	11-2-07	Negro	1 yr.	24	Laborer	Pump	Fracture of right leg; eye inj'd
465	Sprague	Lewis Jenkins	11-7-07	Welsh	unk'n	23	Miner	Fall of slate	Right collar bone broken.
466	Sinking Shaft No. 2	Wiley Graham	11-7-07	American	10 yrs.	53	Miner	Fall of coal and slate.	Hips injured.
467	Sinking Shaft No. 2	Frank Perdue	11-7-07	Negro	2 mos.	28	Drill runner	Fell from scaffold	Fracture of right leg and foot.
468	Sinking Shaft No. 2	Sam English	11-7-07	Negro	1 yr.	34	Drill runner	Fell from scaffold	Hip injured; eye bruised.
469	Sinking Shaft No. 2	David Jefferson	11-7-07	Negro	1 yr.	26	Foreman	Fell from scaffold	Leg injured
470	Sinking Shaft No. 2	Clarence Foreman	11-7-07	Negro	1 yr.	22	Laborer	Fell from scaffold	Fracture of knee pan, contusion of ankle.
471	Sinking Shaft No. 2	John Winston	11-7-07	Negro	1 yr.	26	Laborer	Fell from scaffold	Left elbow injured.
472	Graham	Morio Gernato	11-8-07	Italian	unk'n	18	Miner	Fall of slate	Commuted frac. of collar bone.
473	Sinking Shaft No. 2	S. Robinson	11-9-07	Negro	1 yr.	23	Laborer	Shave wheel	Fingers badly injured.
474	No. 5	Lawrence Dwyer.	11-19-07	American	unk'n	36	Miner	Fall of slate.	Foot and ankle crushed, foot amputated.
475	No. 6.	P. White	11-19-07	Negro	unk'n	24	Driver	Mine cars	Leg injured.
476	No. 3.	J. McSurley	11-20-07	American	2 mos.	25	Driver	Mine cars	Fracture of right leg.
477	Sinking Shaft No. 2	Nick Kordas	11-28-07	Russian	1 mo.	31	Laborer	Plank fell down shaft.	Head and hand injured.
478	Dorothy	Stephen Herman	12-12-07	Greek	unk'n	28	Foreman	Railroad cars (outside)	Fracture of right leg.
479	Raleigh	Phillip Leone	12-13-07	Polish	unk'n	35	Laborer	Exp. dynam. (outside)	Loss of right hand.
480	No. 6	Robert Akloh	1-1-08	Italian	unk'n	28	Miner	Fall of slate	Compound fracture of leg.
481	Oswald	Robert Toney	1-6-08	Russian	4 mos.	22	Miner	Explosion of shot	Hands, face and back burned.
482	No. 6	O. C. Ryan	1-16-08	American	5 yrs.	22	Miner	Fall of slate	Contusion left ankle.
483	Sprague	Jackson Smith	1-17-08	American	unk'n	22	Trip rider	Mine cars	Arm and face injured.
484	No. 3	Waldo Keaton	1-21-08	American	10 yrs.	50	Miner	Fall of slate	Hips injured.
485	Eccles No. 11	Mike Ross	1-23-08	American	2 mos.	31	Miner	Mine cars	Flank injured.
486	Eccles No. 11	Mike Ross	2-13-08	Italian	1 yr.	30	Laborer	Mine cars	Foot mashed.
487	Eccles No. 11	Mike Ross	2-18-08	Hungar'n	4 mos.	23	Laborer	Fall of rock	Both legs broken below knee.
488	Graham	Hugh Sims	2-18-08	Scotch	2 mos.	35	Laborer	Fall of rock	Foot badly cut.
489	No. 3	G. W. Goodson	2-21-08	Italian	unk'n	15	Laborer	Fall of slate	Knee injured.
490	Preece Hill	G. P. Stuart	3-3-08	American	8 yrs.	31	Miner	Exp. of dynamite cap	Three ribs broken.
491	No. 6	Geo. Hefel	3-16-08	American	unk'n	76	Brattice man.	Fall of slate	Right eye punctured.
492	Prosperity	A. McVasey	3-17-08	Syrian	1 yr.	24	Miner	Mine cars	Leg fractured, arm bruised.
493	Prosperity	Frank Feloposky	3-18-08	Polish	mayrs	32	Miner	Explosion of shot	Eyes injured, face cut.
			3-18-08	Polish	10 yrs.	45	Miner	Explosion of shot	One eye lost, the other injured, hand cut.

494 Skelton.....	A. N. Pitman.....	3-24-08	American	10 yrs.	35	Miner.....	Fall of slate.....	Foot mashed, head cut.
495 Price Hill.....	A. Walters.....	3-24-08	American	15 days	14	Trapper.....	Mine cars.....	Left leg broken, and cut.
496 Beckley.....	Frank Malone.....	3-30-08	American	10 yrs.	26	Motor runner.....	Mine cars.....	Right leg injured.
497 Sinking Shaft No. 2	D. Jefferson.....	4-10-08	Negro.....	2 yrs.	26	Drill runner.....	Fall of slate.....	Right foot crushed.
498 Sinking Shaft No. 2	Albert Miner.....	4-10-08	Negro.....	8 yrs.	23	Laborer.....	Fall of slate.....	Head and back injured.
499 Beckley.....	O. N. Morrison.....	4-20-08	American	2 yrs.	30	Weighter.....	Tipple dump (outside).....	Foot mashed.
500 Mabscott.....	A. W. Gunner.....	4-22-08	American	10 yrs.	27	Miner.....	Fall of slate.....	Chest and leg injured.
501 Graham.....	Steve Edulast.....	4-23-08	Polish.....	unk'n	30	Miner.....	Fall of slate.....	Fracture of great toe.
502 Mabscott.....	M. Maroney.....	5-4-08	American	unk'n	32	Slaterman.....	Fall of slate.....	Foot mashed.
503 Patroy Hill.....	John Chalk.....	5-8-08	Negro.....	unk'n	31	Driver.....	Mine cars.....	Side, back and head injured.
504 Tamroy.....	B. Ellerton.....	5-15-08	American	1 yr.	36	Miner.....	Fall of slate.....	Fract. of leg, contus'n of ankle.
505 No. 6.....	Ed. Zwilling.....	5-20-08	American	15 yrs.	30	Mine foreman.....	Mine cars (outside).....	Right foot injured.
506 Skelton.....	Mike Steve.....	5-22-08	Hungar'n	5 yrs.	34	Miner.....	Explosion of shot.....	Face and hands burned.
507 Beckley.....	O. Sflagine.....	6-18-08	Italian.....	1 yr.	26	Miner.....	Fall of slate.....	Body injured.
508 No. 3.....	Robert Cobb.....	6-19-08	American	10 yrs.	29	Miner.....	Fall of slate.....	Left hip mashed.
509 Mabscott.....	Joseph Taylor.....	6-25-08	American	25 yrs.	45	Miner.....	Fall of slate.....	Collar bone broken.
510 Beckley.....	Joe Freddi.....	6-27-08	Italian.....	14 mos.	30	Miner.....	Fall of slate.....	Spinal column injured.
<i>Logan County.</i>								
511 Monitor.....	Jas. Donato.....	7-3-07	Italian.....	15 yrs.	23	Driver.....	Mine cars.....	Collar bone broken.
512 Monitor.....	August Nagle.....	7-6-07	German.....	14 mos.	27	Brakeman.....	Mine cars.....	Foot mashed.
513 Odd.....	David Smith.....	7-13-07	American	1 yr.	18	Miner.....	Fall of slate.....	Injured on forehead.
514 Odd.....	D. L. Boyles.....	8-12-07	American	15 yrs.	45	Miner.....	Fall of slate.....	Leg and one rib broken.
515 Cora.....	Charles Thomas.....	8-23-07	Negro.....	6 yrs.	33	Mach. helper.....	Mining machine.....	Right leg broken between knee and ankle.
516 Logan.....	Wm. Vance.....	11-18-07	American	3 yrs.	32	Mch. runner.....	Mining machine.....	Hip injured.
517 Monitor.....	August Nagle.....	3-7-08	German.....	unk'n	27	Tipple boss.....	Mine car (outside).....	Body badly bruised.
518 Beechwood.....	Albert Bowman.....	5-4-08	American	3 yrs.	19	Driver.....	Mine cars.....	Leg broken above knee.
519 Beechwood.....	W. N. Stephens.....	6-23-08	American	2 yr.	15	Trapper.....	Fell from mule.....	Wrist injured.
520 Monitor.....	Paul Mano.....	6-23-08	Italian.....	2 yr.	18	Mach. helper.....	Mining machine.....	Leg badly cut and bruised.
<i>Mingo County.</i>								
521 Cedar.....	Wayne McCoy.....	7-18-07	American	4 yrs.	28	Miner.....	Fall of slate.....	Body bruised, bladder affect'd.
522 Linghocken.....	Henry Moore.....	8-13-07	American	unk'n	22	Brakeman.....	Mine cars.....	Compound fracture left leg, right ankle injured.
523 Hatfield.....	Candell C. New.....	9-14-07	American	unk'n	28	Mine foreman.....	Brake on drum.....	Scalp wound.
524 No. 1.....	Fred Gullw.....	9-28-07	Negro.....	6 yrs.	28	Miner.....	Fall of coal.....	Leg broken.
525 Star.....	Thomas Williams.....	10-15-07	American	4 yrs.	19	Miner.....	Exp'n powder (outside).....	Leg broken.
526 No. 3.....	Peter Marlinchink.....	10-31-07	Lithuan'n	unk'n	25	Shooter.....	Exp'n powder (outside).....	Very badly burned.
527 No. 3.....	John Sacovitch.....	10-31-07	Lithuan'n	unk'n	25	Shooter.....	Exp'n powder (outside).....	Very badly burned.
528 Logan.....	James Williams.....	11-23-07	American	8 yrs.	40	Miner.....	Fall of slate.....	One bone in leg broken.
529 No. 2.....	Louis Ferrcl.....	12-11-07	Italian.....	unk'n	31	Miner.....	Fall of slate.....	Comp frac. of leg, eye injur'd.
530 No. 2.....	Lorenzo Necast.....	12-16-07	Italian.....	unk'n	33	Miner.....	Fall of coal.....	Head injur'd, one rib fractur'd.
531 Walnut Hills.....	Jno. Gilmore.....	1-27-08	American	unk'n	35	Miner.....	Premature shot.....	Arm, back and side injured.
532 Lick Fork.....	Mike Pesko.....	2-11-08	Hungar'n	unk'n	25	Miner.....	Fall of slate.....	Laceration of scalp, left leg fractured.
533 Rutherford.....	Olas Marotrol.....	2-14-08	Italian.....	5 yrs.	29	Miner.....	Fall of coal.....	Jaw frac, scalp & ch'k wound.
534 Red Jacket.....	Mica Loshki.....	2-19-08	Hungar'n	8 mos.	36	Miner.....	Fall of slate.....	One bone in leg broken, back injured.
535 Rutherford.....	Toney Rice.....	3-10-08	American	3 yrs.	17	Brakeman.....	Mine cars.....	Loss of end of thumb.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
<i>Mingo County.</i>								
536 Grapevine	Cont'd							
537 No. 3	Jozsef Martin	3-16-08	Hungar'n	1 yr.	47	Miner	Explosion of shot	Scalp wound.
538 Grapevine	Peter Lesnik	3-16-08	Slavish	unk'n	17	Greaser	Mine cars (outside)	Compound fracture left leg.
539 Pappoose	Lon Wiley	4-22-08	American	14 yrs.	34	Miner	Fall of coal	Ankle, knee and toes injured.
540 Chantary	Hiram Christian	5-4-08	American	12 yrs.	27	Miner	Fall of coal	Back injured.
541 Grapevine	Toney Newark	5-8-08	Slavish	sev yrs.	33	Miner	Fall of slate	Broken leg; face & head bruise
	Robert Stevens	5-16-08	Negro	2 yrs.	19	Miner	Fall of slate	Right arm inj'd, causing im-
542 Grapevine	Silas Stevens	5-16-08	Negro	10 yrs.	30	Miner	Fall of slate	putation just above elbow.
543 Red Jacket	Jas. Fishburn	5-19-08	Negro	4 yrs.	26	Mac. helper	Mining machine	Potts fracture of right leg.
544 Walnut Hills	P. L. Daniels	5-21-08	American	8 yrs.	30	Shot firef.	Escaping flying coal	Left thigh cut and torn very badly.
545 Rutherford	Jas. Rillo	5-29-08	Italian	4 yrs.	25	Miner	Front shot	Scalp wound.
546 Red Jacket	Mike Boyvan	5-30-08	Hungar'n	unk'n	25	Miner	Fall of slate	Right ankle broken; back inj'd
547 Howard	Wm. Kimbler	6-8-08	American	2 yrs.	19	Miner	Fall of slate	Back and hips mashed.
548 No. 1	Joe Surace	6-22-08	Italian	5 yrs.	52	Timberman	Fall of slate	Left leg broken below knee.
<i>Medowell County.</i>								
549 Ino.	Jas. Rokey	7-9-07	Italian	unk'n	25	Tippleman	Mine cars (outside)	Right leg broken.
550 Ino.	Trepino Viola	7-9-07	Italian	unk'n	25	Tippleman	Mine cars (outside)	Back bruised; rib broken.
551 Yukon	Ken Mithgram	7-12-07	American	unk'n	552	Miner	Explosion of gas	Hands and face burned.
552 Gilliam	Archer Sheoner	7-13-07	American	2 yrs.	32	Miner	Fall of coal	Fracture of left thigh.
553 Empire	Barley Haley	7-15-07	Negro	4 yrs.	21	Miner	Fall of slate	Ankle injured.
554 Lick Branch	Bane Urban	7-16-07	Hungar'n	3 yrs.	30	Miner	Fall of slate	Rib fractured; knee disloc'ted
555 Andler	Preston Tomkins	7-19-07	American	8 yrs.	27	Miner	Mine cars	Bone in leg broken.
556 Turkey Gap	Frank Allen	7-20-07	American	unk'n	26	Loco. Enger	Mine cars	Squeezed through body.
557 Ino.	Thos. Mott	7-20-07	Negro	unk'n	30	Mech. runner	Fall of slate	Back injured.
558 Elkhorn	L. Chambers	7-22-07	Negro	4 yrs.	25	Tippleman	Mine cars (outside)	Hand badly mashed.
559 Tidewater	S. H. Haskins	7-22-07	Negro	4 mos.	24	Miner	Fall of coal	Head, neck & chest injured.
560 No. 1	Joseph Norris	7-24-07	Negro	2 yrs.	20	Miner	Mining machine	Leg badly cut. Was amputed.
561 Bottom Creek	Alex Swisky	7-25-07	Polish	sev yrs.	31	Miner	Fall of slate	Dislocated ankle.
562 Ino.	W. L. Ruffledge	7-26-07	American	1 yr.	26	Miner	Fall of slate	Left wrist br'n right a kl br'n
563 Tidewater	Joe Pelloni (or Sequesta)	7-29-07	Italian	1 yr.	32	Laborer	Fall of coal and slate.	Fracture of left leg.
564 Crozer No. 1	Fred Chappel	8-2-07	Negro	3 yrs.	23	Miner	Fall of slate	Thigh injured; leg mashed.
565 Peerless	Tony Trepo	8-3-07	Italian	3 yrs.	30	Laborer	Fall of slate	Thumb mashed & amputated.
566 Pulaski	McGuffin Delart	8-5-07	American	1 mo.	20	Laborer	Mine cars	Right arm broken.
567 No. 4	John Butz	8-6-07	Rouna'n	3 mos.	23	Laborer	Fall of slate	Left leg broken in two places; breast injured and face cut.

558 Empire	E. Michael	8-7-07 Negro	18 yrs. 44	Miner	Fall of coal	Chest and left side injured.
559 Elkhorn	Joseph Brock	8-7-07 German	10 yrs. 30	Miner	Fall of slate	Arm fractured; wound on left leg.
570 Elkhorn	W. Townes	8-7-07 Negro	4 yrs. 23	Driver	Fall of coal and slate	Right leg bruised; head & left eye injured.
571 McDowell	Frank Olivette	8-8-07 Italian	1 yr.	Miner	Explosion of powder	Hands, face & back burned.
572 Big Sandy	Wm. Williams	8-9-07 American	8 yrs. 20	Driver	Fall of slate	Right leg b'k'n 2 places, amput'd
573 No. 4	P. Jones	8-9-07 Negro	unk'n. 18	Miner	Fall of slate	Fracture of leg. (broken)
574 Pulaski	R. Phibbs	8-9-07 American	6w'ks 13	Laborer	Mine cars	Fracture of right foot.
575 Pulaski	G. Walker	8-10-07 Negro	8 yrs. 48	Miner	Fall of coal	Ankle injured.
576 No. 1	Nick Santa	8-11-07 Italian	3 yrs. 30	Laborer	Premature shot	Left leg fr'd; hands & face br'n
577 No. 1 1/2	Mike Jerome	8-11-07 Italian	7 mos 30	Laborer	Explosion of dynamite	Legs & hand cut & burned
578 Delta	H. Ranauevuk	8-12-07 Italian	unk'n. 40	Slateman	Explosion of dynamite	Face injured.
579 Delta	R. J. Early	8-12-07 Italian	1 yr. 23	Miner	Explosion of dynamite	Side injured.
580 Delta	Geo. Nill	8-12-07 Italian	sev yrs	Miner	Explosion of dynamite	Face injured.
581 Roanoke	James Piskotsh	8-14-07 Hungarian	sev yrs	Driver	Fall of slate	Two ribs broken; leg fractured
582 Roanoke	Chas. Hippinstail	8-14-07 Negro	5 yrs. 35	Miner	Fall of slate	Leg broken.
583 Lynchburg	John Dalton	8-15-07 American	unk'n. 20	Miner	Mine cars (outside)	Back and chest injured.
584 Pando	Wm. White	8-15-07 Negro	unk'n. 21	Laborer	Mine cars	Loss of 4 toes right foot.
585 Empire	Chas. Hunt	8-16-07 Negro	1 yr. 25	Miner	Fall of slate	Hands and face burned.
586 McDowell No. 1	Robt. Taylor	8-20-07 Italian	2 yrs 22	Trackman	Blown out shot	Hands and face burned.
587 Bottom Creek	Frank Malva	8-20-07 Italian	6 mos 22	Miner	Mine cars	Hips injured.
588 Bottom Creek	Salvadore Jardine	8-21-07 Negro	3 yrs 24	Laborer	Fall of slate	Chest and hips injured.
589 Pulaski	Wm. Hairston	8-21-07 Unknown	unk'n. 22	Trackman	Fall of slate	Loss of right great toe.
590 No. 2	Geo. Wagner	8-26-07 American	unk'n. 46	Driver	Fall of slate	Right leg lacerated; ankle inj'd
591 Twin Branch	J. W. Bailey	8-26-07 American	15 yrs 23	Miner	Mine door	Scalp wound; leg & ankle inj'd
592 Empire	Jas. Sellers	8-27-07 Slavish	1 yr. 40	Doorman	Fall of coal	Shoulder and chest bruised.
593 Roanoke	Pete Pedik	8-28-07 American	7 yrs 29	Fire boss	Fall of slate	Back & hips injur'd; face cut.
594 Empire	Peter Graham	8-28-07 American	3 yrs 30	Miner	Fall of slate	Severely bruised.
595 No. 2	W. S. Blevens	8-29-07 Greek	3 yrs 18	Brakeman	Mine cars	Bone broken in leg.
596 No. 4	Nick Speer	8-30-07 American	unk'n. 20	Carpenter	Fall of slate	Squeezed through hips.
597 Shamokin	Irvin Brooks	9-1-07 Italian	2 yrs. 35	Miner	Mine cars	Left knee injured.
598 No. 2	Geo. Cortez	9-5-07 Negro	2 mos 16	Brakeman	Fall of slate	Head and hands burned.
599 Indian Ridge	R. Boley	9-5-07 American	15 yrs. 45	Slateman	Explosion of gas	Eye injured; back bruised.
600 Lynchburg	Geo. Price	9-7-07 American	7 yrs 25	Fire boss	Fall of slate	Law fractured in 3 places.
601 Bottom Creek	W. Parker	9-8-07 Negro	sev yrs 24	Laborer	Mine cars	Arm mashed
602 Middle States	Wm. Oakop	9-10-07 Hungarian	6 mos 40	Laborer	Mine cars	Face and neck burned
603 Bottom Creek	Joe Nuarro	9-11-07 Negro	3 yrs 16	Flagman	Coke oven	Face and hands burned
604 No. 1 1/2	Joe Fitzgaid	9-11-07 Negro	unk'n. 29	Mining Engr	Explosion of gas	Toes mashed, one amputated.
605 Upland	Brown Slade	9-12-07 American	1 yr. 27	Miner	Fall of slate	Arm fractured.
606 Bottom Creek	T. A. Layshon	9-12-07 Negro	12 yrs 42	Miner	Falling coal from shot	Left leg fractured below knee
607 Middle States	D. Turner	9-14-07 American	unk'n. 32	Miner	Fall of slate	Fracture of right leg bel. knee
608 Tidewater	Harry Addison	9-19-07 Hungarian	1 yr. 37	Miner	Fall of slate	Right leg broken.
609 No. 2	Joe Gambros	9-20-07 American	3 yrs. 25	Miner	Fall of rock	Leg broken.
610 Turkey Gap	Jos. Rodroy	9-20-07 Negro	my yrs 45	Timberman	Mine cars	Arm injured.
611 Shamokin	Chas. Legg	9-27-07 Negro	8 yrs. 32	Laborer	Mining machine	Left leg badly cut below knee.
612 No. 2	Douglas Martin	10-1-07 American	5 yrs. 25	Miner	Mine cars	Foot mashed.
613 Jed	Luther W. Hunt	10-1-07 Negro	10-1-07	Negro		
614 Bottom Creek	John Stone					
615 No. 4	James Parris					
616 Page						

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience	Age.	Occupation.	Nature of Accident	Injury Sustained.
<i>McDowell County.</i>								
617 Page.....	Louis Szegdy	10- 4-07	Hungar'n	4 yrs.	30	Miner	Powder exp. (outside).	Arms, hands and face burned.
618 Page.....	Louis Wagon	10- 4-07	Hungar'n	10 yrs.	35	Miner	Fall of slate.	Back injured.
619 Tidewater.....	Geo. Romon	10- 4-07	Italian	unk n.	30	Miner	Fall of slate.	Knee and back injured.
620 Lick Branch.....	W. S. Lewis	10- 4-07	American	12 yrs.	30	Miner	Fall of coal.	Leg broken.
621 No. 1.....	Frank Vaughan	10- 4-07	American	unk n.	16	Driver	Mine cars.	Head and leg injured.
622 McDowell.....	Tom Toler	10- 4-07	Negro	sev yrs.	40	Miner	Fall of coal.	Knee and leg injured.
623 Roanoke.....	Wm. Brown	10- 8-07	Hungar'n	6 yrs.	24	Miner	Fall of slate.	Left leg frac'd; ankle crushed.
624 Norfolk.....	Paul Sanbo	10- 8-07	Hungar'n	8 mos.	31	Miner	Explosion of shot.	Face and hands burned.
625 Zenith.....	Andy Tokats	10-10-07	American	3 yrs.	42	Miner	Explosion of shot.	Scalp wound; right leg frac'd.
626 Shannokin.....	J. E. Whit	10-10-07	Negro	3 yrs.	18	Driver	Fall of slate.	Hip broken.
628 Norfolk.....	Lawson Stokes	10-12-07	American	5 yrs.	32	Truckman	Mine cars.	Head, breast & lt. side injured.
629 Empire.....	S. M. Bangerfield	10-12-07	American	21 yrs.	57	Miner	Fall of slate.	Both legs injured.
630 No. 1.....	Barney Madden	10-14-07	Negro	8 yrs.	37	Miner	Fell from tippie (out. s)	Lf leg cut off at middle third.
631 No. 1.....	J. M. Martin	10-14-07	Negro	2 yrs.	36	Tippelman	Mine cars	Leg injured.
632 Delta.....	Albert Dixon	10-14-07	Negro	8 mos.	11	Doorboy	Mine cars	Leg mashed.
633 No. 3.....	Brady Bear	10-15-07	American	18 mos.	24	Macl. runner	Fall of slate.	One rib broken.
634 Bottom Creek.....	John Eklis	10-16-07	Negro	unk n.	20	Laborer	Mine cars (out. s)	Loss of rig t leg j stab ve ankle
635 No. 2.....	Geo. Katcha	10-18-07	Hungar'n	unk n.	20	Laborer	Gas and smoke explos n	Simple fracture of right leg.
636 No. 2.....	Geo. Katcha	10-18-07	Hungar'n	unk n.	20	Laborer	Gas and smoke explos n	Face burned.
637 No. 2.....	Dometro Delta	10-18-07	Hungar'n	unk n.	20	Laborer	Gas and smoke explos n	Face burned.
638 No. 2.....	Thota Oxenshook	10-18-07	Hungar'n	unk n.	20	Laborer	Gas and smoke explos n	Face burned.
639 Pulaski.....	John Rombo	10-21-07	Ro'man n	3 mos.	22	Miner	Fall of slate	Right ankle injured.
640 Ashland.....	Peter Ronco	10-23-07	Italian	2 mos.	34	Laborer	Locomotive and prop	Broken shoulder blade; t wo ribs mashed.
641 Elk Ridge.....	Blair Cox	10-25-07	Negro	2 mos.	22	Tippelman	Mine cars (out. s)	Foot mashed.
642 No. 2.....	Wm. Price	10-26-07	American	sev yrs	25	Motorman	Elec. Motor	Toes mashed, losing 4 toe nails
643 Keystone.....	O. Vandurcon	10-26-07	Bol'man	3 mos.	18	Slateman	Dynamite explosion	Face and neck badly cut.
644 Shawnee.....	Tho. Tolasky	10-29-07	Ro'man n	4 mos.	23	Miner	Fall of coal	Leg broken just above ankle; face and chin bruised
645 Powhatan.....	Kostimos Pasovenas	10-30-07	Greek	1 mo.	35	Miner	Fall of coal	Col'r bone br'k n; body squ'z'd
646 Marytown.....	J. G. Conley	11- 1-07	American	sev yrs	24	Miner	Fall of slate.	Face and neck injured; body bruised.
647 Gilliam.....	Daniel Woods	11- 1-07	Negro	8 yrs.	10	Miner	Fall of coal	Stomach and abdomen inj'ed
648 Pulaski.....	Clarence Cooney	11- 2-07	American	2 wks.	16	Laborer	Mine cars	Lf ft foot m'nd; loss of one toe
649 Empire.....	James Popp	11- 5-07	Slavish	3 yrs.	27	Miner	Mine cars	Toes on right foot injured and amputated.
650 Bottom Creek.....	Spano Salvatore	11- 5-07	Italian	9 yrs.	28	Slateman	Fall of slate	Legs injured.

651 Bottom Creek	Monroe Smith	11- 5-07	Negro	24	Driver	Fall of slate	Leg broken.
652 J. B. B. No. 2	Chas. Lindsay	11- 7-07	Negro	3 yrs.	Miner	Fall of slate	Concussion of brain.
653 No. 1	Gabriel Milton	11- 7-07	Hungar'n	1 yr.	Miner	Fall of slate	Left arm broken.
654 Indian Ridge	Frank Lorenz	11- 8-07	Italian	unk'n	21	Miner	Leg broken above knee.
655 Powhatan	Chas. Rednick	11-11-07	American	2 yrs.	Miner	Fall of coal	Shoulder injured.
656 Powhatan	W. E. Anderson	11-11-07	American	6 yrs.	Miner	Fall of coal	Ankle injured.
657 Tidewater	Pink Slade	11-11-07	Negro	9 mos.	Doorboy	Mine cars	Right arm lacerated.
658 No. 1 ₂	Lewis Turner	11-12-07	Negro	sev yrs	Miner	Mine cars	Legs, hips and nose injured.
659 Welch	Jas. Royster	11-12-07	Negro	4 yrs.	23	Driver	Foot mashed; hip bruised.
660 Luck Branch	Joe Estes	11-13-07	Negro	10 yrs.	30	Miner	Head cut.
661 Indian Ridge	Joe Ovarditz	11-14-07	Hungar'n	unk'n			Compound fracture of leg.
662 No. 7	R. Overacker	11-15-07	Polish	4 mos.	18	Miner	Dislocation of left hip.
663 Bottom Creek	Pavil Modish	11-16-07	Polish	18 mos.	34	Miner	Hand, face and body injured.
664 Keystone	Henry McNeal	11-19-07	Negro	6 yrs.	30	Miner	Left leg broken above knee;
							right foot dislocated.
665 Lynchburg	Ed. Scales	11-19-07	American	3 mos.	25	Miner	Hand badly injured.
666 No. 1	Henry Jennings	11-20-07	Negro	unk'n	25	Laborer	Leg broken just above ankle.
667 No. 1	John Spencer	11-21-07	Negro	unk'n	22	Laborer	Hand injured.
668 Pando	Paul Zosky	11-28-07	Hungar'n	6 yrs.	40	Miner	Right hand and back injured.
669 No. 2	Joe Parker	12- 2-07	Negro	1 yr.	22	Hostler	Right arm bruised; loss of one
							tooth; hip lacerated.
670 No. 4	P. Edwards	12- 2-07	American	few da.			Ribs and left hip injured.
671 Ashland	Angel Shandley	12- 2-07	Italian	3 mos.	25	Miner	Foot injured.
672 Powhatan	John Gillespie	12- 3-07	American	3 yrs.	20	Driver	Ankle injured.
673 Norfolk	Chas. Reynolds	12- 4-07	American	8 yrs.	22	Miner	Back injured.
674 Norfolk	Frazier Taber	12- 4-07	American	30 yrs.	32	Trackman	Leg broken.
675 Middle States	Peter Sartuth	12- 4-07	Italian	unk'n	24	Loader	Back injured.
676 Marytown	Joe Edwards	12- 4-07	American	unk'n	23	Miner	Dislocation of wrist
677 Marytown	Pietro Martin	12- 4-07	Italian	1 mo.	23	Miner	Hands, left arm, face, nose
							and forehead burned.
678 Pulaski	Steve Yantish	12- 4-07	Austrian	8 days	25	Laborer	Right foot fractured; contu-
							sion of back
679 Shamokin	J. W. Smith	12- 5-07	American	9 yrs.	21	Brakeman	Leg fractured.
680 Lynchburg	Mike Gieh	12- 6-07	Hungar'n	1 yr.	45	Laborer	Eyes and face burned.
681 Luck Branch	D. Arrington	12- 7-07	American	4 yrs.	18	Motorman	Leg broken.
682 Imo.	C. W. Fowler	12- 7-07	American	8 mos.		Trackman	Back injured.
683 Twin Branch	B. W. Babb	12- 9-07	Negro	21 yrs.	42	Miner	Shoulder and right side of face
							injured
684 Norfolk	J. F. Tubor	12- 9-07	American	15 yrs.	30	Trackman	Thigh broken.
685 Pulaski	Steve Morab	12-10-07	Italian	2 mos.	20	Laborer	Two ribs broken on left side.
686 Keystone	Eugene Bruce	12-12-07	Negro	2 mos.	23	Laborer	Leg broken.
687 Big Sandy	Ed. Gibson	12-14-07	English	5 yrs.	28	Motorman	Head injured.
688 Peerless	Joseph Boscard	12-16-07	Negro	2 yrs.	20	Driver	Three ribs broken.
689 Empire	Joe Parrish	12-17-07	Negro	unk'n	31	Miner	Confusion of right hip.
690 Imo.	C. W. Fowler	12-17-07	American	sev yrs	38	Trackman	Back injured
691 Pulaski	Dow Booth	12-24-07	Negro	2 mos.	30	Miner	Right leg fractured.
692 King	Joe Berger	12-26-07	Negro	4 mos.	25	Laborer	Left leg broken.
693 King	Wm. Smith	12-27-07	Negro	8 mos.	27	Laborer	Left leg broken.
694 No. 2	Malin Whitaker	12-29-07	American	14 mos.	30	Miner	Right collar bone broken.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience of Aye.	Occupation.	Nature of Accident.	Injury Sustained.
	McDowell County--							
695	No. 1.	Teddy Bugroe.	12-30-07	American	10 mos. 35	Shooter	Explo. dynamite caps.	Body cut & bruised; eye inj'r'd
696	Turkey Gap.	Oxley Menchuck	12-31-07	Russian	2 mos. 40	Miner	Fall of slate.	Rupture of urethra.
697	Peelless	Joe Mahalla	12-31-07	Slavish	1 1/2 yrs. 30	Miner	Fall of coal	Collar bone and jaw bone fractured; ear lacerated.
698	King	Joe Price	12-31-07	American	3 yrs. 45	Miner	Fall of coal	Left leg broken.
699	Tidewater	Claude Coffey	1-2-08	American	3 mos. 18	Brakeman	Mine cars	Laceration of right foot
700	Indian Ridge	Tony Thum	1-4-08	Italian	5 yrs. 25	Miner	Fall of coal	Jaw bone broken in two places.
701	Bottom Creek	S. Caruso	1-6-08	Italian	5 mos. 23	Laborer	Fall of slate	Lacerat'd scalp; shoulder, back and hips injured
702	Bottom Creek	Steve Ash	1-9-08	American	8 mos. 15	Doorboy	Mine cars	One finger injured & amput'd
703	Indian Ridge	Phos. Vaughan	1-10-08	American	sev yrs 25	Miner	Fall of coal	Collar bone broken.
704	Algonua	Frank Stone	1-11-08	American	sev yrs 35	Miner	Explo. of dyn mite caps	Both hands blown off.
705	No. 1.	J. W. Barber	1-13-08	Negro	unk'n. 28	Miner	Fall of slate.	Back of head, right hand and chest injured.
706	No. 1.	Chas. Gardner	1-14-08	Hungarian	2 yrs. 34	Loader	Mine cars	Right leg broken.
707	Empire	Joe Martin	1-14-08	Negro	6 yrs. 24	Miner	Fall of slate.	Right leg crushed.
708	No. 1	Joe Frank	1-19-08	Ro'man'n	unk'n. 40	Laborer	Premature shot.	Hands and face burned.
709	No. 1	Geo. Garuseal	1-19-08	Ro'man'n	18 mos. 35	Laborer	Premature shot	Hands and face burned.
710	Marytown	James Fields	1-27-08	American	unk'n. 28	Miner	Fall of slate.	Right shoulder dislocated; back and side injured.
711	No. 2	Ivan Beeman	2-9-08	Slavish	4 yrs. 31	Trackman	Mine cars	Arm broken.
712	No. 2	Phillip Telle	2-12-08	Hungarian	1 1/2 yrs 40	Miner	Explosion of gas.	Face and hands burned
713	Indian Ridge	John Hopkins	2-12-08	Negro	1 yr. 22	Driver	Mine cars	Coll. bone brok'n & body br's d.
714	No. 2	Geo. Hayrader	2-14-08	Hungarian	1 yr. 15	Flag boy	Mine cars	Fracture of thigh.
715	Empire	Walker Lottier	2-14-08	Negro	6 mos 26	Miner	Fall of slate	Compound fracture left leg.
716	Gilliam	Geo. Jones	2-14-08	Negro	2 yrs. 21	Miner	Fall of coal	Contusion of muscles of hips.
717	No. 7	John Moses	2-14-08	Italian	unk'n 17	Trippleman	Mine cars (outside)	Head cut, arm and leg bruised.
718	Delta	A. Baronechuk.	2-20-08	Russian	2 yrs. 32	Miner	Fall of slate	Right leg broken.
719	Imo No. 2	Geo. Monk	2-21-08	American	unk'n 37	Miner	Fall of rock	Leg fract'd 6 in. above ankle.
720	Pulaski	Ed. Cooney	2-22-08	American	1 yr. 20	Laborer	Mine cars	Left hand crushed.
721	No. 6	J. H. Alexander	2-22-08	Negro	1 mo. 30	Laborer	Motor larry (outside)	Hip broken.
722	Bottom Creek	Roman Chinnovitz	2-23-08	Russian	6 mos. 32	Cokeman	Fall of slate.	Right thigh broken.
723	Marytown	A. Rolka	2-27-08	Polish	unk'n 22	Driver	Mine cars	Back, br's t. & face badly br's d.
724	Hall	A. K. Clark	2-29-08	American	2 yrs.	Miner	Fall of slate	Leg broken.
725	Jed	N. Goodman	3-2-08	Negro	unk'n 27	Miner	Fall of slate	Right leg broken.
726	Marytown	Geo. Edwards	3-3-08	American	29 yrs. 47	Loader	Mine cars	Bad laceration of fingers of left hand

727 No. 2	Steve Klekey	3-6-08	Hungar'n	15 mos.	40	Mac, runner	Mine cars	Foot mashed.
728 Ashland	V. T. Bowles	3-7-08	Negro	6 yrs.	19	Driver	Fell off tippie scaffold (outside). Fall of slate.	Fract. ch'k bone, body bruised. Dislocation of shoulder, body bruised.
729 Peerless	Chas. Adams	3-10-08	American	1 yr.	17	Laborer	Mine cars	Right thumb lacerated.
730 Pulkaski	Robert Mahone	3-16-08	Slavish	5 yrs.	45	Miner	Fall of slate.	Arm, side and back injured.
731 No. 11	N. Melovitch	3-17-08	American	3 yrs.	23	Brakeman	Fall of slate.	Leg broken.
732 Turkey Gap	N. Schaub	3-19-08	American	4 yrs.	16	Miner	Fall of slate.	Broken thigh.
733 Jino	Joe Weir	3-21-08	Negro	22 yrs.	50	Miner	Mine cars	Foot mashed, heel cut off.
734 No. 1	Ray Jones	3-23-08	Negro	my yrs.	40	Miner	Monitor	Arm broken.
735 Indian Ridge	Ray Jones	3-26-08	American	unk'n	25	Loader	Mine cars	Left leg injured.
736 Antler	O. B. West	3-26-08	Negro	8 yrs.	25	Driver	Mine cars	Arm broken.
737 Elk Fork	Henry Coles	3-26-08	Unknown	unk'n	50	Fan man	Mine cars	Shoulders crushed, neck cut.
738 Big Sandy	T. G. Green	3-27-08	American	1 yr.	22	Motorman	Mine cars	Leg injured
739 No. 2	G. Mahone	3-27-08	Negro	my yrs.	35	Brakeman	Mine cars	Scalp wound, ear cut, concussion of brain.
740 No. 2	Wm. Catlin	3-30-08	Negro	5 yrs.	24	Miner	Fall of slate.	Scalp wound, ear cut, concussion of brain.
741 Piney	John A. Wright	3-31-08	Unknown	2 yrs.	19	Driver	Fall of slate.	Scalp wound, internal injuries.
742 King	Wade Miller	4-1-08	Hungar'n	2 yrs.	18	Miner	Fall of coal	Fracture left leg bet. knee and ankle.
743 No. 1	Steve Zimon	4-1-08	Hungar'n	unk'n	36	Miner	Fall of coal	Cheek & neck bruised, contusion of back.
744 No. 2	Chas. Switch	4-2-08	American	3 yrs.	19	Brakeman	Mine cars	Ankle injured.
745 Cherokee	Walter Surface	4-3-08	Hungar'n	7 yrs.	45	Miner	Fall of slate.	Lacerated arm.
746 Gilliam	Joseph Honyok	4-6-08	Hungar'n	2 yrs.	20	Miner	Fall of slate.	Ankle broken.
747 No. 6	Jno. Martin	4-7-08	Negro	7 yrs.	25	Miner	Fall of coal	Face injured.
748 Elkhorn	Wm. Wicheer	4-8-08	American	3 yrs.	21	Brakeman	Mine cars	Left leg broken.
749 Lick Branch	J. D. Cartwright	4-11-08	Negro	11 yrs.	30	Miner	Fall of coal	Leg broken bet. knee & ankle.
750 Turkey Gap	Hays Smith	4-14-08	American	1 yr.	22	Miner	Fall of slate	Back seriously injured.
751 J. B. B. No. 2	Sam'l Settles	4-14-08	American	1 yr.	24	Miner	Fall of slate.	Back seriously injured.
752 J. B. B. No. 2	Charles Settles	4-14-08	American	1 yr.	24	Miner	Fall of slate.	Forehead injured, thigh & leg bruised.
753 J. B. B. No. 2	Jno. Anderson	4-14-08	Negro	2 yrs.	24	Miner	Fall of slate.	Forehead injured, thigh & leg bruised.
754 Elk Ridge	O. H. Scott	4-15-08	Negro	14 yrs.	40	Miner	Fall of coal	Leg fractured
755 Powhatan	Jno. Lunsford	4-15-08	American	14 yrs.	45	Staleman	Fall of slate.	Shoulder bruised, head cut.
756 Delta	Phillip Ninnchuk	4-17-08	Russian	1 yr.	30	Miner	Fall of slate.	Right arm broken.
757 Pulkaski	Henry Brown	4-17-08	Negro	6 mos.	29	Miner	Fall of coal	Fracture of ribs on left side.
758 Antler	E. B. Tucker	4-20-08	American	25 yrs.	37	Miner	Mine lamp	Arm burned.
759 Lynchburg	D. Sanders	4-30-08	Negro	5 yrs.	25	Miner	Fall of coal	Leg broken.
760 No. 10	John Vergo	5-2-08	Hungar'n	unk'n	34	Miner	Fall of slate	Left leg broken, side crushed.
761 Ronoke	Jim Johnson	5-4-08	Negro	5 mos.	23	Miner	Fall of slate	Right thigh frac. face bruised.
762 Bottom Creek	Getor Schillskey	5-5-08	Russian	10 mos.	...	Miner	Fall of coal and slate.	Right ankle injured, left foot contused.
763 No. 8	Chas. Williams	5-6-08	Negro	unk'n	34	Laborer	Fall of slate.	Hand mashed.
764 Algoma	Tom Shinkovach	5-6-08	Hungar'n	3 mos.	25	Miner	Fall of slate.	Both legs broken.
765 Tidewater	Jno. Yogas	5-11-08	Russian	2 mos.	48	Laborer	Fall of slate.	Laceration of hand.
766 Turkey Gap	Jno. Ramsey	5-14-08	Negro	14 yrs.	36	Miner	Fall of slate.	Dislocation of right hip.
767 Big Sandy	Geo. Onetish	5-16-08	Polish	unk'n	45	Miner	Mine cars	Right leg broken.
768 Pando	L. W. White	5-16-08	American	5 yrs.	24	Mac. runner	Fall of slate.	Fracture right leg, contusion of shoulder, eye injured.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injury Sustained.
<i>McDowell County —</i>	<i>Cont'd.</i>							
769 Berwind No. 2	J. T. Jennings	5-17-08	American	25 yrs.	43	Fire boss	Explosion of gas.	Both hands burned.
770 Norfolk	W. Bell	5-21-08	Russian	1 yr.	19	Miner	Fall of slate	Fracture of left hip.
771 Roma	I. Korota	5-23-08	Hungar'n	6 yrs.	37	Miner	Fall of slate	Left leg broken.
772 Delta	R. Korukarvok	5-25-08	Russian	unk'n	28	Miner	Fall of coal	Laceration of right leg, and ankle injured
773 Keystone	David R. Bridges	5-26-08	English	2 yrs.	28	Slate man	Fall of slate	Left arm fract'd, nose broken.
774 Elk Ridge	Geo. Young	5-28-08	Negro	4 yrs.	35	Laborer	Mine cars	Bad cut over right eye.
775 Twin Branch	D. F. Helton	5-28-08	American	unk'n	53	Miner	Fall of slate	Dislocation of lead. of left leg.
776 Berwind No. 3	Steve Harklin	5-28-08	Hungar'n	6 yrs.	35	Loader	Mine cars	Head seriously injured.
777 No. 1	L. C. Hornbuckle	5-28-08	American	unk'n	36	Miner	Fall of slate	Left knee inj'd, scalp wound, abrasion of left ear.
778 No. 7	J. Blackwell	5-29-08	American	1 mo.	34	Miner	Fall of slate	Leg broken, back & chest inj'd.
779 Ashland	Wm. Sheets	6-2-08	American	4 yrs.	27	Miner	Fall of slate	Foot mangled, 1st & 2nd toes on right foot broken.
780 No. 2	C. Coleman	6-5-08	Negro	10 yrs.	Miner	Miner	Fall of coal	Leg broken.
781 Oregon	A. Langillo	6-5-08	Italian	unk'n	18	Laborer	Mine cars	4th & 5th toes fractured.
782 Piney	P. Helyes	6-5-08	Hungar'n	2 yrs.	40	Miner	Fall of slate	Leg broken, afterwards amputated just above ankle.
783 Powhatan	Jim Pope	6-9-08	Italian	8 mos.	40	Miner	Fall of slate	Head and back injured.
784 Welch	G. H. Belcher	6-9-08	American	10 yrs.	26	Miner	Fall of slate	Back badly injured.
785 Crozer No. 1	A. Fachilla	6-11-08	Slavish	1 yr.	19	Laborer	Mine cars (outside)	Bone brok'n left leg just above ankle joint.
786 No. 1½	Mike Zuck	6-15-08	Slavish	unk'n	35	Miner	Mine cars	Fingers of left hand badly lacerated
787 No. 2	C. S. Stanton	6-15-08	Negro	unk'n	30	Miner	Fall of coal	Back injured.
788 Keystone	Frank Ross	6-17-08	Italian	4 yrs.	34	Miner	Fall of slate	Frac. of pelvis, wound ing'r'n.
789 Tidewater	Jas. Slusher	6-17-08	American	1 mo.	22	Miner	Fall of slate	Scalp wound, fracture of left thigh and other injuries.
790 Shamokin	Geo. Lawson	6-19-08	Negro	6 yrs.	25	Slate man	Fall of slate	Leg broken.
791 No. 3	L. Conley	6-20-08	American	sevyrs	30	Motorman	Elec. Mot. & Mine cars	Both legs crushed, right leg amputated below knee.
792 Delta	Joe Gibson	6-22-08	English	2 yrs.	16	Door boy	Mine cars	Leg mangled.
793 Greenbrier	A. Miller	6-25-08	American	18 yrs.	18	Miner	Fall of slate	Right leg broken below knee.
794 Eureka	J. H. Hughes	6-26-08	American	15 yrs.	33	Timberman	Fall of slate	Both hands injured.
795 McDowell	H. Martin	6-29-08	Negro	5 mos.	25	Driver	Mine cars	Right foot injured.
796 Powhatan	Geo. Palons	6-30-08	Greek	10 mos.	32	Miner	Fall of coal	Hip dislocated, pelvis bone broken.

Mercer County.

797	Buckeye	Lewis Fiska.	7-8-07	Slavish	unk'n	19	Slateman	Fall of slate	Leg brok. bel. knee, (amp't'd).
798	Louisville	Louis Bobble.	7-15-07	Polish	6 mos	25	Miner	Fall of coal	Back and hips injured.
799	Coaldale	Thomas Belcher.	7-16-07	Negro	1 yr.	19	Miner	Mine cars	Hand injured, developed into blood poison.
800	Coaldale	Chas. Blankenship.	7-23-07	American	2 yrs.	15	Brakeman	Mine cars	Right hip dislocated and arm contused.
801	Louisville	Jno. Greenwood	7-29-07	Negro	5 yrs.	52	Miner	Fall of slate	Leg broken and rib fractured.
802	Louisville	Chas. Brooks	8-2-07	Negro	10 mos.	21	Miner	Explosion of powder	Left hand and leg burned.
803	Orane Creek	Vicko Donozet.	8-9-07	Unknown	3 mos.	33	Miner	Fall of slate	Right hand mashed, bones of fingers broken.
804	Pinnacle	P. Laura	8-14-07	Italian	2 mos.	20	Miner	Fall of slate	2 bones in left hand broken.
805	Mill Creek	N. Robinson	9-5-07	American	3 mos.	21	Laborer	Fall of slate	Right leg broken, left thigh brok'n. & left shoul. dislo'd
806	Booth-Bowen	Chas. Hall.	9-11-07	American	8 yrs.	34	Miner	Fall of slate	Head and ankle injured.
807	Coaldale	Andrew Pitt	9-12-07	American	unk'n	29	Pipe lineman	Fell from tip. (outside)	Head badly injured, complete deafness.
808	Booth-Bowen	Adam Waster.	9-14-07	German	3 yrs.	24	Miner	Fall of slate	Leg mashed below knee.
809	Weyanoke	F. M. Angelo.	9-19-07	Italian	2 yrs.	2	Miner	Fall of slate	Should'r & back bruise'd badly.
810	Mill Creek	H. S. Dominico.	9-20-07	Italian	2 w'ks	27	Laborer	Mine cars (outside)	Left arm crush'd, causing amputation, scalp wounds.
811	Coaldale	J. B. Byrd	10-2-07	American	10 yrs.	35	Assist. mine foreman	Fall of slate	Ankle injured.
812	Weyanoke	Henry Siske	10-14-07	American	10 yrs.	35	Miner	Mine prop fell	Fracture of leg.
813	Pinnacle	Narchy Pezinosky	10-22-07	Hungar'n	3 w'ks.	19	Miner	Blown out shot	Face and hands burned.
814	Pinnacle	Vechonty Volehok	10-22-07	Hungar'n	3 w'ks.	28	Miner	Blown out shot	Face and hands burned.
815	Mill Creek	V. R. Allen	11-3-07	Hungar'n	4 days	12	Door boy	Mine cars	Col. bone dislo'd, one rib frac.
816	Mill Creek	G. Tampa	11-13-07	Hungar'n	1 yr.	39	Miner	Fall of slate	Right thigh frac., scalp w'n'd.
817	Pawama	M. Patterson.	11-22-07	American	1 yr.	15	Door boy	Mine cars	Scalp wound, ankle injured & other injuries.
818	Weyanoke	Jose Palena	11-29-07	Italian	3 yrs.	38	Miner	Explosion of shot	Face scratched and burned.
819	Gaswell Creek	Arthur Smith.	12-6-07	Negro	2 yrs.	18	Driver	Mine cars	Hip injured.
820	Pinnacle	O. Richcot	12-9-07	Polish	3 yrs.	43	Miner	Fall of slate	Skull frac. shoulders, back & arms badly bruised
821	Mill Creek	Jno. Haynes.	12-11-07	Negro	1 mo.	28	Laborer	Fall of slate	Dislocation of left ankle.
822	Gaswell Creek	J. A. Sted	12-12-07	American	2 yrs.	34	Miner	Fall of slate	Broken thigh.
823	Orystal	John Keller	12-12-07	Hungar'n	unk'n	40	Miner	Fall of slate	Head and shoulder injured.
824	Pinnacle	S. Galshe	1-6-08	Bol'mini	1 mo.	40	Loader	Fall of coal	one rib broken, hip injured.
825	Tug River	W. A. Williams	1-8-08	American	unk'n	40	Trackman	Mine cars	Left leg broken.
826	Tug River	Jno. O'Brien	1-29-08	American	10 yrs.	15	Door boy	Mine prop fell	Mashing thumb badly.
827	Coaldale	J. Shumton	2-8-08	American	6 mos.	15	Door boy	Mine cars	Left arm fractured.
828	Coaldale	S. Johnson	2-11-08	American	5 days	25	Miner	Fall of slate	Wound of lip, left eye injured.
829	Weyanoke	W. M. Harris	2-19-08	American	3 yrs.	33	Miner	Blown through shot	Ear, forehead & eye injured.
830	Mill Creek	Wm. Meeks	2-22-08	American	3 yrs.	25	Trackman	Fall of slate	Bone of left leg fractured.
831	Weyanoke	P. Bootack	3-10-08	Hungar'n	2 yrs.	23	Miner	Fall of coal	Side and stomach mashed.
832	Pinnacle South.	A Fountain	4-6-08	Italian	3 yrs.	23	Miner	Fall of slate	Back and hips badly bruised.
833	Weyanoke	Sam Streck	4-16-08	American	5 yrs.	36	Miner	Fall of coal	Ankle bones broken.
834	Piedmont.	Roy Caye	4-17-08	American	unk'n	21	Mach. helper	Fall of coal & slate.	Leg broken.
835	Pawama	J. J. Hodges.	4-20-08	American	se'lyrs	25	Miner	Fall of slate	Arm and wrist injured.
836	Pawama	R. Buller.	4-20-08	Austrian	none	33	Miner	Fall of slate	Left leg fractured

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1908.

No.	NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nation-ality.	Length of Experience.	Occupation.	Nature of Accident.	Injury Sustained.
	<i>Merer County—</i>							
837	Tug River.....	Cont'd. Thos. Slman.....	4-27-08	American	10 yrs. 36	Miner.....	Fall of slate.....	Right ankle and shoulders injured.
838	Caswell Creek.....	Gus McDaniel.....	5-18-08	Negro.....	5 yrs. 28	Laborer.....	Mine cars (outside).....	Leg injured.
839	Mill Creek.....	Lee Snyder.....	5-21-08	American	3 yrs. 26	Motorman.....	Mine cars (outside).....	Compound frac. left leg, right thigh fractured.
840	Piedmont.....	W. A. Mason.....	6- 9-08	American	6 yrs. 30	Mach. runner	Mine cars.....	Fracture right arm, head and shoulders injured.
841	Buckeye.....	Joe Gumboats.....	6- 9-08	Slavish.	4 yrs. 35	Miner.....	Fall of slate.....	One leg broken.

FATAL ACCIDENTS.

For the year ending June 30th, 1908.



BROOKE COUNTY.

August 17th, 1907. David Varoli, 45, Italian, Locust Grove Mine. Was injured through the back and hips by a fall of slate, in neglecting to secure his roof with props caused this accident. Died August 28th, 1907.

September 14th, 1907. Tony Errigo, 21, Italian, Locust Grove mine. Was struck by a fall of draw slate, breaking his leg and crushing his thigh and hurt internally, causing his death in about nine hours afterwards.

January 31st, 1908. Albert Schwichock, 45, Polish, Beech Bottom Mine. In neglecting to pull down draw slate before loading his car it fell on him while stooping for a shovel full of coal, crushing his head causing death.

April 29th, 1908. Romando Manginini, 27, Italian, Lewis No. 1 Mine. In going from his working place through a breakthrough between the two entries that was wired for mining machines, he fell on some electric wires and was electrocuted. It seems as if he had taken hold of the wires with his hands.

June 16th, 1908. Geo. Boch, 19, Hungarian, Beech Bottom Mine. Was in his place, it being fifteen feet wide, well posted he accidentally knocked out a post which allowed the slate to fall on him while he was loading coal. Breaking his neck and leg causing instant death.

MARION COUNTY.

July 1st, 1907. John Zebrowski, 17, Polish, Monongah No. 8 Mine. Was watching a miner load coal, he being a new man at the business, a pot of slate fell striking him fracturing his left hip and sustaining internal injuries from which he died at the Miners' Hospital on July 2nd, 1907.

July 18th, 1907. Mike Plesents, 27, Chiefton Mine. Was loading off of face of pillar, after back stump was removed, the draw slate fell on him fracturing skull, breaking neck, and several ribs causing his death. The mine foreman had instructed him the day before to not work in this place, as it was ready to fall.

July 31st, 1907. Cleve Parsons, 22, Negro, Gaston Mine. Parsons had a trip of three cars all loaded; he coupled two of them and let the third car drift behind. He stopped the two cars on the heading and the drifting car struck them knocking him off the rear bumper of the second car, and ran up on him, crushing him to the ground causing internal injuries from which he died August 1st, 1907.

September 19th, 1907. M. Croy, 38, American, New England Mine. Had stepped on a loaded trip that was passing, and got on top of a load of coal removing the lumps so he could lie down; his head struck the roof throwing him off the car to the side of the track, the wheels caught him, badly crushing his arm and leg, and perhaps internal injuries as he died on October 3rd, 1907.

October 2nd, 1907. Paul Kinkas, 18, Slavish, Montana Mine. He did not intend to load any coal on this day, but was preparing to lay

up some track and going to shoot his coal and then go home; a shot was heard about 3 P. M.; supposed it to be that of Kinkas, as he did not appear at the boarding house in the evening a search was made inside the mine in his room where he was found dead with his skull mashed by the fall of a piece of slate weighing about 300 lbs.

October 11th, 1908. John Lyons, 35, Slavish, Federal Mine. Was drawing a pillar and evidently had taken out some props to make a fall and was caught, crushing his chest, head cut, left leg mashed at knee and left arm broken causing his death.

October 28th, 1907. Rose Nutal, 25, Italian, Middleton Mine. A large piece of slate broke loose at the face, and swinging on the posts threw it over on him fracturing spinal column, six ribs broken on left side, compound fracture of right leg between ankle and knee; which injuries caused his death.

November 4th, 1907. Claud Smallwood, 17, American, New England Mine. While at work at No. 5 pillar loading coal, decided to set a post; while doing so several hundred pounds of slate fell from the roof on him, crushing him through the back and hips; was taken to the Hospital where he died on November 8th, 1907.

November 22nd, 1907. John D. Lewellyn, 49, American, Middleton Mine. After finishing his days' work he was coming out of the mine bringing his horse along that they had for pulling the machine, his partner took the horse in one direction and Lewellyn went another when he stopped to let the motor and cars pass, supposing that the cars had all passed he stepped upon the track again; four loaded cars that had broken loose from the trip quite a distance up the haulway came along striking Lewellyn breaking both arms, nearly severing the left arm, chest crushed, spinal column fractured causing death.

November 26th, 1907. Nick Kapisizis, 20, Greek, New England Mine. After shooting a break shot and had loaded out the coal about 1,200 lbs. of slate fell on him crushing him through the body, rupturing abdomen and internal injuries causing death; this room should have been posted better.

December 6th, 1907. The following persons were killed by a dust explosion in the Nos. 6 & 8 Monongah Mines, a detailed account of this accident will be found in the appendix to this report.

NO. 6 MINE.

Americans.

Henry Burke,
Fred Cooper,
G. L. Davis,
Thos. Duffy,
Harry Evans,
John Fluharty,
Lonnie Hinerman,
Timothy Lydon,
Henry Martin,
Albert Miller,

Fay Cooper,
Thos. Donlin,
Wm. Evans,
Floyd Ford,
Jno. Herman,
L. D. Lane,
Sam R. Kelly,
J. W. Miller,
James Moon,
Cecil Morris,

Frank Moon,
A. H. Morris,
Fred Rogers,
Frank Shroyer,
Harold Trader,
Milroy Watkins,
Wm. R. Walls,

Homer Pyles,
Scott Sloan,
Will Staley,
Chas. D. Wise,
A. J. Watkins,
Geo. Wiley.

Polish.

Geo. Boshoff,
Felix Gasco,
Frank Krail,
Jno. Regulski,
Frank Sawyer,
Thos. Susnofsky,

Frank Davis,
Ignat Goff,
Ignots Lapinsky,
Petro Rossia,
Frank Shantah,
Mike Wassale.

Greek.

Gass Levant,
Nick Scotta,
Andy Tereza,

Nick Susta,
Nick Tereza.

Slavish.

Mike Bonotsky,
Geo. Berrough,
Mike Belo,
Jno. Cresko,
Mike Donko,
Jno. Durse,
Mike Eggar,
Steve Feet,
Lobe Feretts,
Albert George,
Martin Honick,
Jno. Hiner,
Wogtech Hamock,
Mike Kerest,
Jno. Kristofitz,
Mike Oshwie,
Geo. Polonchec,
Jno. Sari,
Geo. Sari,
Mike Sebic,
Andy Stie, Jr.,
Mike Wattah,
Geo. Yourchec, Jr.,

Andy Berrough,
Joe Bagola,
Martin Bosner,
Mike Durkuta,
Jno. Dunko,
Thos. Duvall,
Paul Frank,
Joe Foltin,
Jno. Gomerchec,
Mike Hanish,
Paul Honick,
Jno. Hornock,
Steve Ignatchic,
Joe Kovatch,
Jno. Martin,
Paul Provitsky,
Mike Sari,
Steve Sari,
Thos. Seyche,
Andy Stie, Sr.,
Geo. Strafera,
Geo. Yourchec,
Mike Zucco.

Italians.

Joe Alexander,
Frank Abruzzino,
Carl Abatta,
John Bonasa,
John Basile,

Frank Abatta,
Joe Abatta,
Salvare Basilla,
Adolph Brand,
Sam Basile,

Frank Basile,
 Sam Belcaster,
 Angello Bagunoli,
 Rolph Couch,
 Don Cemino,
 John Connie,
 Victor Davia,
 Loui Faluke,
 Tony Frank,
 Franc Garrasco,
 Frank Larossia,
 James Lerant,
 Salvatore Lobbs,
 Mike Meffe,
 John Olivaria,
 Janaway Orse,
 Nick Perochchi,
 Dom Perri,
 Mike Ritz,
 Tony Richwood,
 John Richwood,
 Tony Selet,
 Tony Touch,
 Tony Virgelet,
 Dom Ware,

Joe Belcaster,
 Tony Beton,
 Pasq Beton,
 Joe Covelli,
 Frank Connie,
 Lunard Dewett,
 Nick Deplacito,
 Joe Ferara,
 John Fusari,
 Tony Gall,
 Carmen Larossia,
 Loui Lelle,
 Salvastore Motts,
 Steve Noga,
 Tony Olivette,
 Tony Prosper,
 Peter Privingano,
 Fred Prelotts,
 Patsy Richwood,
 Domnick Richwood,
 Louis Scholese,
 Frank Tallorai,
 Patsy Toots,
 Patsy Virgelet.

Litvitch.

Frank Dutca,
 John Matakonis,
 Thos. Zinnis,

Mike Matakonis,
 Thomas Matakonis.

Irish.

Patrick McDonough.

NO. 8 MINE.

Americans.

W. H. Bice,
 Robert Charlton,
 James Fletcher,
 J. W. Halm,
 Patrick Highland,
 Jno. N. Jones,
 Pat. J. Kearns,
 Scott Martin,
 C. D. Mort,
 Wm. Morris,
 Marion Morris,
 Chas. McKane,
 Hugh Reese,
 T. O. Ringler,
 Michael Soles,

Carl Bice,
 Wm. R. Cox,
 Thos. Gannon,
 E. V. Herndon,
 C. A. Honaker, Jr.,
 Thos. Killeen,
 Adam Lane,
 Jno. H. Mort,
 L. L. Moore,
 C. E. Morris,
 Jno. J. McGraw,
 Sam Noland,
 Jno. Ringer,
 Dennis Sloan,
 Leslie Spragg,

Geo. Snodgrass,
Jessie Severe,
D. V. Santee,
Sam Thompson,

F. E. Snodgrass,
Beth Severe,
Harry Seese.

Polish.

Andy Garlock,
Anton Hiawatin,
Geo. Kingerous,
Jacob Kores,
John Kowalish,
Chas. Miller,
Jno. Majeska, Jr.
Martin McHortar,
Tom Stampian,
Staney Urban,

Geo. Herlick,
Vadis Kawalsky,
Mike Kingerous,
Joe Keatsky,
John Luba,
John Majeska,
Mike Motsic,
Victor Novinsky,
Joe Stahlnski,

Slavish.

Alex. Bustine,
John Cheesit,
John Goff,
John Ignot,
Frank Krager,
Frank Loma,
Geo. Tomko,
Anton Unovich,

Paul Cheeswock,
Geo. Donkechec,
Paul Goff,
Mike Kosis,
Geo. Krall,
John Rehich,
John Tomko,
John Wolincish.

Negro.

Richard Farmer,
Geo. Harris,
Gilbert Joiner,
W. M. Perkins,
K. D. Ryals,
Harry Young,

Chas. Farmer,
Calvin Jonakin,
Rippen McQueen,
Jno. H. Preston,
Jessie Watkins.

Italians.

Colistino Avicello,
Paul Anchillo,
Tony Angello,
Patsy Augustine,
Angello Barrard,
Jose Barrard,
Ross Beton,
Nick Colcherici,
Joe Colross,
Dom Colasena,
Nick Colleat,
Jose Demark,
Pasqual Deleal,
Mike Deffelus,
Felix Depetris,

Dominick Anchillo,
Beat Anchillo,
Patsy Alexander,
Tony Alexander,
Felix Barrard,
Chas. Bolze,
Jersti Bonordi,
Joseph Colcherici,
Dom Colross,
Felix Colanero,
Victor D'Andrea,
Felix Desalvo,
Tony Deffelus,
Jno. Dills,
Chas. Desalvo,

Angelo Desalvo,
 Donatto Domico, Jr.,
 Jos. Dewey,
 Sebastian Demaria, No. 2.
 Angelo Demaria,
 Albert Demark,
 Clem Debartonia,
 Pete Donord,
 Vintura Darso,
 Mike Demaria,
 Joe Ferrare,
 Armanda Fellen,
 Matta Ferrare,
 Tony Folio,
 Frank Joy,
 Prospera Inveor,
 Jim Jeremont,
 Frank Lore,
 Bobrato Metill,
 D. C. Masch,
 Mike Manse,
 Dan Manse,
 Carl Meff,
 Cosmo Meo,
 Mike Mostro,
 Dom Mysell,
 Jim Palela,
 Saverio Pignalli,
 Pete Prigulatta,
 Jno. Preletto,
 Louie Patch,
 Ralph Ronaldo,
 Tony Ronaldo,
 Dominick Smith,
 Joe Sarfino,
 Flora Salva,
 Vint Salva No. 2.
 Frank Vendetta,
 John Yanero,
 Carman Zello,

Mike Domico,
 Jos. Demaria,
 Sebastian Demaria,
 Mike Dewey,
 Dominick Desalvo,
 Tony Dorse,
 Dominick Debartonia,
 Louis Demarco,
 Jas. Fassanella,
 Tony Desalvo,
 Petro Frediavo,
 Carman Ferrare,
 Peter Frabiacolo,
 Peter Joy,
 Antonio Joy,
 Jim Jacobin,
 Jno. Lombardo,
 Jno. Metill,
 Nick Metill,
 Pete Marcell,
 Tony Manse,
 Frank Meff,
 Jas. Maronette,
 Don Morsee,
 Felix Mysel,
 Tony Pasqual,
 Basile Palela,
 Frank Porzilo,
 Frank Preletto,
 Bossilo Pilela,
 Nick Pett,
 J. Ronaldo,
 Jake Sullivan,
 Frank Simpson,
 Joe Salva,
 Vint Salva,
 Angelo Toots,
 John Vendetta,
 Nick Yanero,
 Jno. Zello.

Hungarians.

John Palinkis,

Joseph Toth.

Irish.

Patrick Laughney,

Lithuanian.

Mike Bolinski.

Scotch.

David Riggins.

February 25th, 1908. James Williams, 52, American, Chatham Shaft No. 1 Mine. While sitting along side of the rib eating his dinner, coal and slate fell on him fracturing his spinal column, his ribs, and lacerating his foot from which he died.

March 9th, 1908. Thomas Wardle, 43, English, a Mine Foreman, Federal Shaft Mine. Lost his life by a fall of coal in the mine; a hung shot was the cause of the fall of coal, he having attempted to loosen it, but it failed to fall, but fell later catching him crushing his head and breaking his right leg, killing him instantly.

April 6th, 1908. Pascho Rombola, 25, Italian, Chatham No. 1 Mine. Deceased had been instructed by Chris Sheets on the morning of the accident to put up some posts in his room, but he did not think it necessary, while taking down the slate it fell, and entirely covered him up, mashing his body and breaking his spine, causing instant death. He had insurance for \$175.00.

MARSHALL COUNTY.

August 22nd, 1907. Enoch Waish, 35, Hungarian, Hitchman Mine. Had set a few posts under some slate and was loading coal into his car, when the slate broke between the posts falling on him, breaking his arm and injured internally; taken to the Hospital where he died August 24th, 1907. Had insurance to amount of \$50.00.

November 7th, 1907. Jas Barbina, 35, Polish, Hitchman mine. While loading his car at the face of room a large quantity of roof fell on him breaking a leg and fracturing a rib, and other injuries, causing his death on January 11th, 1908.

January 8th, 1908. Andy Yardis, 39, Russian, Hitchman Mine. He was going down the slope in the morning, and was in some manner caught by a mine car. His body was found lying on the opposite side of the rope; it is supposed he was walking in the centre of the track when struck; crushed him through the breast, and head was cut causing death.

HARRISON COUNTY.

July 24th, 1907. Dashla Barets, 23, Hungarian, Frank Goff, 21, American, and Nicola Plemoriter, 21, Austrian, Two Lick Mine. Were in the distributing powder house, Barets is supposed to have been opening a keg of powder when a spark from his pipe dropped into the can, causing an explosion, which burned the men so badly that they all died in about ten or fifteen minutes after the accident; positive orders were in force that no smoking should be done in or around the powder house.

August 5th, 1907. Peter Papp, Hungarian, Ehlen Mine. He was the slate foreman, and had orders to take two men and go to 7th left air course and take down some slate; they went, and proceeded to make the place safe and while pulling down some slate it fell, a piece striking him and dislocating his spinal column; he was taken to the Hospital where he died on the 18th of August, 1907.

September 11th, 1907. Zigmont Vareha, 23, Slavish, Pinnickinnick Mine. While loading his car his partner suggested that they shoot down the loose head coal that was hanging over them, but he said it

was not necessary, that he wanted to finish the place that day; they continued loading the car, when the loose head coal let go catching Vahera crushing him to the pavement killing him almost instantly; this accident was due to the lack of care and judgment.

November 7th, 1908. Geo. A. Coburn, 19, American, Waldo Mine. Two trips of loaded cars, one trip coming out of 2nd left heading with eleven cars, the other coming down straight with eight cars; collided catching Coburn between the cars and the coal, crushing his head beyond recognition, spine fractured and one thigh dislocated causing instant death.

December 9th, 1907. Peter Falta, 25, Austrian, Viropa Mine. A piece of rock about 4'x5'x6" thick held up by two props, and from some unknown cause the rock tripped the props and fell on him, injuring his head and fracturing his arm, causing his death on December 12th, 1907.

December 13th, 1907. Joe Lorence, Jr., 16, Italian, Fall Run Mine. In attempting to get on the front end of rear car of a trip, slipped and fell under the car, fracturing left thigh, crushing left leg, dislocating left arm and breaking three ribs, while preparing to take him to the Hospital he died.

December 20th, 1907. Louis Nell, Italian, Erie Mine. He had left his working place going to passway at entrance to heading on which he worked, sitting down close to a pillar waiting for driver to take a car to his place; the mule in turning touched the electric wire causing the mule to jump or fall over on him, causing internal injuries which necessitated him going to the Hospital, where he died on February 27th, 1908. In the mean time he had worked three days but complained of not feeling right.

February 10th, 1908. Dragon Sekulic, 24, Austrian, Viropa Mine. While mining in his place the coal gave way falling on him, crushing his leg and mashing him through the chest resulting in death about two hours later.

March 24th, 1908. John Orich, 26, Austrian, Two Lick mine. Was in room No. 8 off 2nd right butt heading, off first heading in first north, had just fired the centre shot he neglected to block the coal and it did not roll out after shooting; he took his pick and started to work under the loosened coal to get enough coal to finish loading his car, the driver was there waiting for the loaded car, and heard the coal working and warned him of the danger but he paid no attention to him, the coal let loose catching him crushing his head causing instant death.

March 27th, 1908. Frank Galic, 28, Italian, Ocean Mine. He had finished loading his car and was near the face of room when the head coal fell out from the face to the room track striking him knocking him down, crushing his chest over the heart and breaking several ribs, causing instant death.

May 19th, 1908. Lewis Riley, 16, American, O'Gara Mine. He was riding with the driver taking a box of machine bits to the machine men, when about 100ft. from shaft bottom a lot of coal and slate fell on him injuring his head, was dead when found, the driver was seriously injured in this accident.

June 10th, 1907. Ed Cain, 33, American, Lynch Mine. He was a

driver hauling a trip of loads to the side track, and when getting his empty cars the slate fell knocking him down into the empty car, breaking his neck, right leg and crushed near hip causing death. He was found about fifteen minutes after the accident.

LEWIS COUNTY.

August 28th, 1907. O. S. Carder, 24, American, Sarah B. Mine. Was riding on a locomotive that was taking a trip of empty cars from the tippie to the mine, in going over a trestle it gave way letting the engine fall which broke a steam connection and the escaping steam scalded Carder, causing his death about five hours after the accident. J. F. Haddix, 21 American, and Toney Miller, 21, German, were also killed in the same accident as O. S. Carder, by being scalded; Haddix did not die until the next day about seven o'clock A. M. There were three other persons non-fatally injured in this accident.

BARBOUR COUNTY.

August 10th, 1907. Jacob H. Gower, American, Century No. 2 Mine. He had fired a shot at the face of his room, on his return to work a piece of slate fell on him, he was rescued by three persons and taken out side of the mine, where surgical aid was rendered him, he lived until about 5.20 P. M. Had insurance of \$100.00.

September 25th, 1907. A. H. Thornhill, American, Junior Mine. While laying a pair of wooden rails under a fault, slate fell on him that weighed about 400 lbs. striking his left side, causing death.

May 13th, 1908. Savo Rokitch, Hungarian, Century No. 1 Mine. He had fired a shot and was told to pull down the slate afterwards, but he failed to do this and started to work shoveling when the slate fell catching him under it, crushing his skull, so seriously that he died a few minutes later.

MONONGALIA COUNTY.

November 2nd, 1907. Joe Porley, (Pugliese) 37, Italian, Richard No. 1 Mine. He had fired a shot and it knocked out some props, on returning to his place was caught by a fall of bone coal, causing internal injuries resulting in his death.

PRESTON COUNTY.

July 12th, 1907. Antonio Passidonis, 32, Italian, Austen No. 1 Mine. He was loading a car of slate and some coal from the rib and a large quantity of draw slate fell on him, breaking his neck causing instant death.

July 19th, 1907. Jno. C. Menear, 23, American, Kingwood No. 4 Mine. While at work near the entrance to room No. 7 came in contact with the trolley wire which knocked him down, in falling his head struck a stone fracturing his skull, causing death instantly.

October 12th, 1907. John Sterling, American, Bretz No. 2 Mine. In going to work he walked on top of the coke ovens which were being watered and was evidently blinded by the steam and did not see two approaching larries which ran over him, causing his death.

December 20th, 1907. Rollo M. Grim, 48, American, Newburg Shaft Mine. He being a stable boss, was going to start down the shaft, but the engineer started the cage up instead of down, and when nearing the top of the Head House of shaft he was either knocked or jumped off and fell back down the shaft; which caused his death instantly.

MINERAL COUNTY.

August 30th, 1907. Louis Terry, 22, Italian, No. 14 Mine (Davis C. & C. Co.) After firing a shot to loosen the coal, went out of the room to eat his dinner, in about half hour he returned to his room, sounded the roof and began loading his car with coal when partly loaded the roof rock suddenly fell striking him breaking his right leg below the knee, with other injuries causing his death in about five hours after the accident.

September 20th, 1907. B. H. Duling, 17, American, No. 9 Mine (Davis C. & C. Co.) In riding on a trip of empties and eight loaded mine cars, his foot slipped off the bumpers of the front car by his uncoupling the loaded cars from the empties, and fell in front of the eight loads which ran over him, bruising and cutting him so badly that resulted in death. He was insured for \$400.00.

June 24th 1908. Charles Fry, 19, American, Wabash No. 9 Mine (Davis C. & C. Co.) In trying to board a train of loaded cars that was being taken to the tipple, he missed his footing and fell under the cars, breaking his left leg, fracturing two ribs of right side, laceration of scalp and numerous contusions, causing his death in about three hours after the accident.

RANDOLPH COUNTY.

November 14th, 1907. Dow Shomo, 22, American, Harding Mine. He was riding on a trip of loaded cars, in passing over the top of the trip from rear to front he fell between the cars, and was run over by two of them, breaking a leg and cutting his head was taken to the Hospital and died on November 28th, 1907.

February 27, 1908. Guy Polish, 28, Italian, Weaver No. Mine. He was loading a car with coal from a crosscut from 5th left heading to the air course, while in a stooping position a rock fell striking him mashing him down to the pavement, breaking his back, one leg, and one arm, killing him instantly.

March 20th, 1908. Jim Jardino, 50, Italian, Coalton, No. 1 Mine. Was filling a cartridge with powder taken from his powder canister, a spark from his lamp fell in to the canister causing it to explode burning his face and breast so seriously that on May 5th, 1908 he died.

TUCKER COUNTY.

July 10th, 1907. Phil Plottie, Austrian, Coketon, No. 35 Mine. This man was working on the motor road cleaning track, the motor came along and he passed under the trolley wire to a place of safety, after the motor had passed he was returning to his work, in crossing under the trolley wire he haised his head and came in contact with the wire, which knocked

him down, where he lay until the motor returned and ran over him injuring both legs so that amputation was necessary, but not recovering sufficiently the Doctor did not perform the operation, he lived until the next day July 11th 1907 when he died.

August 1st, 1907. David A. Ashbaugh, German, Coketon No. 37 Mine. This man was night pumper and as the men were going to their work at six o'clock in the morning found him caught in the pump with his left arm cut off and his body terribly mangled; as he was alone no one knows how the accident occurred to cause his death.

November 13th, 1907. Martin Farley, Irish, Thomas No. 34 Mine. While he was going to the east heading to visit a pump, he met a loaded trip coming to bottom of shaft, in avoiding the danger as he supposed stepped over on the track that the trip was on, no light being on the front of the loaded trip he was caught, mashing off both legs killing him instantly.

December 9th, 1907. Edward Vulgamott, American, Thomas No. 23 Mine. When coming from work met the motor with a trip on second left haulage, while the motor and trip was passing he fell down and was run over by the trip, causing his death.

April 15th, 1908. Simon Baroski, Polish, Thomas No. 23 Mine. While working in crosscut No. 15 room on Goodbody heading, had been warned by some miners that were going to shoot and for him to get out of the way, not doing so the shot blown through and injured him, mashing his skull and head causing his death shortly after the accident.

April 25th, 1908. Antone Rockwiss, Russian, Coketon No. 36 Mine. He had a stick of dynamite in his hand and thawing it with open torch, he placed a cap in it and attached the fuse, in some way the fuse got ignited and he dropped it into his dinner pail in his excitement he picked up the pail and carried it down the heading as far as the switch where the dynamite exploded, breaking his left leg and a severe shock which proved fatal.

May 27th, 1908. Frank Nikelich, Austrian, Beacon Mine. When this man and his partner went to work on Wednesday morning they mined the coal under about three and one-half feet, they then set a prop and started to mine it more when the slate fell on Nikelich killing him.

BRAXTON COUNTY.

November 13th, 1907. John Cannon, American, Bower No. 10 Mine. Was working in No. 1 drift No. 13 room, and it appears from indications that he had just fired a shot, and was preparing to set a post, when the slate fell on him, crushing his chest and back causing death.

FAYETTE COUNTY.

July 22nd, 1907. Allen Farmer, American, Turkey Knob Mine. This man was found in his room by the driver, supposed to have been dead for an hour, caused by a slate fall, head slightly mashed and neck supposed to be broken.

July 23rd, 1907. Liss Allen, American, Diamond Mine. He was helping on a mining machine shoveling the dust from the machine, when a large picce of coal fell on him breaking his back causing death.

August 16th, 1907. Alex Roten, Negro, Kay Moor Mine No. 2. He was engaged in firing shots, on this occasion he had three to fire, seems to have lighted one and before he could light the other two the first one exploded, not giving him time to escape, the flying coal caught him against a prop, breaking ribs on left side and internal injuries causing his death.

August 21st, 1907. Daniel Thompson, American, Sugar Creek Mine. This man was driving fourth left air course, when a "Kettle Bottom" fell on him, he was standing upright when struck and was crushed down on his pile of under cuttings, breaking his back causing death, neglect in posting his place cause of this accident.

August 24th, 1907. Joe Wedgewood, American, No. 2 Gas Mine (Great Kanawha Colliery Co.) Was working on seventh right entry, and came out of his place to push in an empty car, when a piece of slate fell on him, fracturing his skull and breaking his neck, causing instant death.

August 30th, 1907. Joe Fautz, Italian, Boomer No. 3 Mine was caught between a mine car and the rib causing internal injuries from which he died.

September 6th, 1907. Felice Piscaroli, Italian, Sun Mine. After putting in and lighting a shot, it did not go off as soon as he expected, and he returned to ascertain the cause, by the time he reached the face of the room the shot exploded killing him.

September 27th 1907. John Bibb, American, Carlisle Mine. This man was running a motor, the trolley wheel on the pole ran off the wire, in raising up to replace the wheel his back struck the trolley wire causing him to loose his life by electrocution.

October 7th, 1907. Robt. Chilton, English, Scarbro Mine. By a fall of slate striking him on the back he sustained injuries that caused his death about five hours after the accident.

October 22nd, 1907. Frank Johnson, American, Kilsyth Mine. While walking along by the side of the breech mule and stepped to one side to allow the car to pass him he was caught between the car and the rib, which rolled him causing internal injuries and death.

October 28th, 1907. W. J. Bailey, American, Granville Murphy and Elisha Potter, Negroes, Red Ash Mine. Some cars that had gotten away at the pit mouth at top of incline ran down and instantly killed Potter, and so seriously injured the other two that they died in a few hours after the accident. Potter was going to the tippie, Murphy had gone to the tippie with another man to get some checks or to see the weigh sheet, Bailey was at work with the tippie man getting a car out of the Boiler coal chute.

October 31st, 1907. Sam Merciline, Italian, Layland Mine. The victim was riding down the track from Gentry along with five other laborers about five o'clock in the morning, their car came in contact with some slate cars, and fell over catching Merciline breaking his leg and causing some internal injuries causing his death about 11:30 same day.

November 2nd, 1907. Frank Selinzky, Polish, Layland Mine. While the motor was pushing cars into his room he attempted to get his car

on the fly and push same into his room, the second car became derailed and caught him between the car and rib breaking his back, killing him instantly.

November 12th, 1907. H. J. Sorrell, Greenwood Mine. He was putting a cut in entry, and failed to sprag the centre, the entry was only about nine feet wide and in a fault, the coal gave way up to its full height, falling on him and killing him instantly.

November 19th 1907. James Frazier, American, Parral Sinking shaft. He sent bucket of rock up the shaft without being latched, when about 180ft. from bottom, the bucket tipped over allowing the rock to fall back down the shaft, striking him on the back breaking it causing death at 12.50 the same day.

December 6th, 1907. Alex Smith, American, Lyman Mine: While at work at the face of his room a piece of slate weighing about 1000lbs. fell striking him breaking his back and fracturing his skull at base of brain, causing his death. Had insurance amounting to \$90.00.

January 3rd, 1908. Henry Woodrum, American, Stuart Sinking Shaft. From some unknown cause this man walked directly into the shaft from the surface landing, there were lights stationed at the surface and top landings, he also had a light on his head, he fell down the shaft breaking his neck, causing death instantly.

January 13th, 1908. Peyton Lafferty, American, Sugar Creek Mine. Was driving in No. 3 mine, but stopped to help load a car, and a piece of slate fell from between posts knocking him down, breaking a leg and arm, and internal injuries. Was taken to McKendree Hospital on February 10th 1908, he was brought back and on the 11th he died.

January 14th, 1908. M. A. Hedrick, American, Dubree Mine. A mining machine was being sent up the incline to the mine, he was on the machine to ride up along with it, the machine became derailed knocking him off on his knees, he walked home but did not work for a few days and was sent to McKendree Hospital where he died on January 20th, 1908.

January 16th, 1908. C. B. Crawford, American, Sherwood Mine. He with two other men had been standing in a refuge hole, a place of safety while a shot was being fired when leaving the refuge hole his head came in contact with the trolley wire, he was knocked flat on his side, he raised to his knees, laughed and fell back and died in about two minutes, eye witnesses made this statement.

January 21st, 1908. Marion Miller, American, Layland Mine. W. Fox was charging a slate shot with powder and dynamite, Miller was directly under the slate gathering fine coal for tamping, Fox pushed the powder into the hole with a needle and struck the cap that was in the stick of dynamite, causing an explosion and the entire lot of slate fell striking Miller breaking his neck causing death.

January 29th, 1908. Maxmillian Nieszezyka, Paulleon Omelencruk, and George Petrucik, Russians, Stuart Sinking Shaft. A loaded bucket of slate was being raised to the top of this shaft when the rope broke allowing the bucket and contents to return to the bottom striking these men on the heads and bodies causing their deaths.

January 30th, 1908. The following persons were killed by a dust explosion in the Bachman Mine caused by three blown out shots. A detailed account will be found elsewhere in this report.

AMERICANS.

Richard Byers,	John Boles,
Peter Barlow,	John Clark,
Henry Holliday,	Chas. Kassec,
A. A. Waggle,	Thornton Wilson,
Travice Faught,	

February 11th, 1908. John Darby, American, Kohinoor Mine. He and some other men were in a car going up the incline, there was an electric motor hitched to the car to be taken up the hill, the loaded trip coming down broke away from the rope and ran wild down the incline, Darby jumped from the empty trip going up, directly in front of the runaway coming down, was badly mutilated, killing him instantly.

February 17th, 1908. Ed Jones, Negro, Wingrove Mine. While at work mining, a piece of slate fell on him mashing his breast, causing death.

February 26th, 1908. Wm. Boyd, American, Stuart Air Shaft. Was coming up on bucket and fell off about 100 ft. from the bottom going back down the shaft, breaking his neck and mashing body, causing instant death.

March 11th, 1908. Scott Smith, Negro, Need More Mine. Smith and Boden were working a breakthrough near the face of an entry, which was in a fault, they shot two bottom holes and two top holes at the same time and also two in the left corner, one of the lower holes was a blown out shot, they returned to see the effects of the shots and their lights set fire to the smoke burning Smiths face head and arms was taken to Hospital where he died on March 31st. 1908.

March 13th, 1908. John Holcomb, American, Beech Creek Mine. He was at work mining when slate fell on him mashing him through the body, causing his death.

March 18th, 1908. Mathew Pickle, Negro, Collins No. 1 Mine. This man was caught between the mine car and roof while attempting to run car in room, he was taken to McKendree Hospital where he died on March 21st, 1908.

March 21st, 1908. S. R. Woodson and Wm. Scott, Americans, Parral Air Shaft. Woodson while charging a hole with dynamite struck the exploder discharging the dynamite, killing them instantly.

March 26th, 1908. Corchey Shorby, Hungarian, Sun Mine. His place of work was sixth right entry, room No. 84, but he was in room No. 81, fifth right entry, where slate fell on him causing his death, he did not have any business to be in this room and went there without orders.

March 28th, 1908. J. A. Cox, American, Oakwood Mine. This man was appointed to attend a door between Carlisle and Oakwood mines, he failed to get the door open in time for the motor and trips coming from Oakwood, the first car struck the door which threw the car from the

track, and caught him between the car and rib crushing his chest breaking lower jaw, spinal cord severed at neck, causing his death.

April 2nd, 1908. Joe Moncosa, Italian, Boomer No. 2 North Mine. This man and his partner were in their room working about 5.15 P. M. the deceased was down on his hands and knees looking into a bootom hole, when a piece of top coal about three feet square fell on him killing him instantly.

April 7th, 1908. Marion Smith, American, Glendale Mine. Along with his two brothers they were drawing pillars, one of them had made a cut about a foot deep on an entry stump, but left it to assist in loading a car, they did not have quite enough coal to fill the car, Marion took a shovel to get the slack from the cut, when the slate fell and caught him mashing his body and legs, causing death.

April 12th, 1908. Everett Rogers, American, Collins No. 2 Mine. Was a brakeman on motor trip, and fell under a car on No. 21 entry crushing his skull, causing his death.

April 14th, 1908. Jasper Jordon, American, Stuart Sinking Air Shaft. Four men were coming up the shaft in a bucket Jordon put out his hand to steady it, his shoulder struck a timber knocking him off and he fell down the shaft, breaking his neck causing death.

April 16th, 1908. Robert Smith, American, Minden No. 4 Mine. This boy was employed as door boy to attend the sixth right and seventh left doors, he left this place without instructions and went with a motorman on the 6th right entry to get two loaded cars, in starting out of the place he neglected to apply the brake on the cars, consequently could not stop at the mouth of the room the motorman told Smith to pull the cable from the trolley wire and get out of the way, instead of doing this he started ahead of the motor, fell down and the motor caught and pulled him along the track crushing his head and mashing his body, causing death.

April 28th 1908. Jas. Waller, American, Parral Air shaft. This man was trimming the shaft wall when a piece of rock which he had undermined fell on him fracturing his skull and injuring his chest, was taken to the McKendree Hospital where he died on May 10th, 1908.

May 16th, 1908. Walter Riley, American, Whipple Mine, No. 5. Was called to No. 18 room on 3rd entry to repair a turn where the empty cars had been going off the track, while waiting for the loaded car to come out it became derailed knocking out two posts near where he was standing and in his getting out of the way of danger fell backwards and striking his head on the rail causing a fracture, and died almost instantly.

May 19th, 1908. Isador Moleska, Roumanian, Beechwood Mine. He and his brother were switching a car on No. 3 room main straight entry, when a piece of slate fell on him, mashing his head killing him instantly.

June 11th, 1908. Ernest Bitner, German, Turkey Knob Mine. Was at work in his room and evidently knocked out a post, causing the top slate to fall on him, killing him instantly.

June 16th, 1908. Samuel Scott, Negro, Sun Mine. Was riding on front end of motor, he looked backward and was caught between a mine prop and the motor tearing off the top of his head causing death.

June 17th, 1908. J. F. Amick, American, Smokeless Mine. He was running a mining machine, making an undercut in room No. 9, on Adams entry, when a piece of slate about 12x15 feet square and four foot thick at face of coal running back to a thin edge, fell and caught Amick under it, resting on his body caused suffocation.

June 19th, 1908. Tony Steventino, Italian, Sherwood Mine. While loading a car with coal near the face of his working place, was standing between the car and face of coal, a piece of slate fell on him crushing him so badly that he died about six hours after the accident.

June 26th, 1908. Wm. Lewis, American, Diamond Mine. Sustained a fractured skull by a fall of slate, causing his death.

June 28th, 1908. W. S. Wingfield, American, Stuart Mine. Was in company with Wm. Finley and Ben Foster, to examine a fan that had just been put in order (that had not been running for over three months) Findley the mechanic had examined the bolts on the fan and had left for the supply house for some bolts, during the absence of Findley Winfield and Foster started to tighten some bolts when the fan moved about one-fourth around catching Winfield in the blades fracturing right femur, and causing hemorrhage, causing his death about one and one-half hours after the accident.

June 29th, 1908. Jim Pesto, Italian, Dunn Loop No. 2 Mine. This man was in his neighbor's place in the mine, it being a room neck, when a piece of slate fell from the rib side catching him between rib and car breaking three ribs, collar bone and hurt internally—causing death.

June 30th, 1908. E. F. Worley, American, Nichol mine. He was dumping coal on the tippie, the motorman came to tippie with a loaded trip, Worley got on the motor, turned the current on full which ran the motor into the chute, he along with it receiving injuries from which he died.

KANAWHA COUNTY.

July 11th, 1907. A. H. Finnimore, American, Oakley Mine. This man was riding up the incline, when in about two hundred feet of the approaching loaded cars coming down a lump of coal rolled off and began to roll down the incline, the drum runner stopped the trip in time for him to get out of the way, but he never moved from where he was standing in the empty car, and the lump of coal struck him on the head, causing his death in about twenty minutes.

July 11th, 1907. J. B. Seay, American, Greenbrier No. 2 Mine. He was slabbing a motor parting next to the out side the top had been shot before, and he shot the coal again and began loading his car when slate fell on him, mashing his body from stomach to knees, he was sent to the Hospital and on July 27th, 1907 he died.

August 28th, 1907. Ernest Young, American, Nuckols Mine. He was coming out of a room with a loaded car, and was apparently looking back over the car and was caught between the car and a post crushing his head into fragments, causing death in about two hours after the accident.

September 28th, 1907. A. F. Strickler, American, New Opening at Jones Mines. He was shooting slate and sprung it ahead of the hole, then

shot the coal from under the slate, he went under the slate to load his car, and the slate fell on him, mashing his head and breaking a leg killing him instantly.

September 9th, 1907. Ollie Kidd, American, Horton No. 2 Mine. Was employed as a tippie man, a trip of two loaded cars when about one hundred feet down the incline broke away from the cable and ran wild down the balance of the way, he was either struck by flying coal or fragments of the cars on the head, crushing his skull and making serious other bruises causing his death.

September 16th, 1907. H. C. Shelton, American, Raccoon Mine. Deceased stated that he went from the face of the coal to get a pick, passing under some draw slate; which he knew was not very safe and should have taken it down, but was in a hurry to load his car and neglected it, while under this slate it dropped, pressing him forward and holding him to the bottom, sustaining a dislocated vertebra and injury to chest, proving fatal about fourteen hours after the accident.

September 26th, 1907. J. E. Saunders, Negro, Hugheston Mine. He seemed to have been at his working place when a piece of slate fell on him, fracturing his spinal column, causing his death.

September 26th, 1907. Tom Fauber, American, Winifrede South mine. Was driving a team on tenth left in south mine the car became derailed, but continued going until room No. 12 was reached, where it struck a prop that was standing between entries, displacing it and causing some slate to fall on him, mashing him through the chest, causing death.

November 15th, 1907. Wm. R. Bland, Negro, Kelleys Creek No. 1 Mine. Was working No. 33 room on straight entry, he bored the hole too high in the roof slate, after shooting started to load his car, and was caught by a piece of the slate falling near the face, causing numerous cuts about the head, left eye and temple, causing death that night at the Hospital.

November 22nd, 1907. James Barger, American, Chesapeake No. 3 Mine. Was running a mining machine cutting in room No. 1 main entry in drift No. 2 the coal seemed to squeeze and as the machine was undercutting, the coal and slate broke from the solid, falling on him, causing death.

November 29th, 1907. Lewis Preto, Italian, United Gas Mine. He and two other persons were sent to take down some loose slate at a room mouth on the sixth right entry, one of the men was pulling the slate down, he told the victim and the other man to stand back while he was pulling the slate, but they did not get far enough away and the slate that fell caught Preto, killing him instantly.

November 30th, 1907. Virgil Woodrum, American, Davis Mine. This man and T. J. Weddington were working in No. 6 entry on the morning of the accident they sounded the roof as usual, and thought the place perfectly safe, they had been working about half an hour when a piece of slate weighing about two tons fell without warning on Woodrum, mashing his head, breast and shoulders, killing him.

December 3rd, 1907. Charley Gallaway, American, Kayford No. 1 Mine. He was working as helper on motor, in coming out of the slope entry started to sand the rail in order to assist in getting up a grade, he fell

or was jolted off and run over breaking and lacerating his legs causing death instantly.

December 7th, 1907. Spurgen Janney, American, Greenbrier No. 3 Mine. Was undercutting the coal with a mining machine and cut into a surface crack, causing the coal to fall on him, breaking his neck and mashing him through the chest, killing him instantly.

January 16th, 1908. Jasper Mace, American, Bradley-White Ash Mine. This young man had been in the employ of the company as door boy, three days previous to this accident, his father requested that his son be allowed to assist him as miner for a few days, the request was granted, the morning of the accident the young man came to the mine without his father and ordered a car to be put in his room, the mine foreman did not allow the car to be placed as the young man had asked, at the same time telling the young fellow to stay out of the room until his father would come as the slate needed to be taken down, and wished his father to assist in doing that; the boy paid no attention to the instructions but went into the room and started to work, when the slate fell on him and is supposed killed him instantly.

January 17, 1908. John Nelson, American, Belmont Mine. The victim attempted to climb on the trip of cars outside that were being pushed by the motor from No. 4 drift, he lost his footing by slipping from the bumpers of the car, and fell under the car, but he held to the endgate until the car was pulled back off his body which was done instantly, breaking a leg and dislocating a shoulder and internal injuries causing his death. Nelson was a driver in No. 3 drift, and came out to ride on the motor; which was against the rules of the Company.

February 19th, 1908. Lloyd Ferrell, American, West Mine. While assisting his father in digging coal, the slate fell on him killing him, and slightly injuring his father.

March 24th, 1908. Joe Edmunds, Negro, Kellys Creek No. 1 Mine. He went into a place that was posted properly and knocked a post out and did not reset it, and the top slate fell on him, causing internal injuries resulting in death almost instantly.

April 7th, 1908. French Turley, American, Knickerbocker Mine. While loading a car the draw slate fell on him, crushing his head causing death. Thomas Young, was also killed in this accident.

April 11th, 1908. Mark Matheny, American, Acme Mine. While constructing the tippie of the above mine, ten of the bents had been raised and were getting ready to put on the stringers, a sudden gust of wind came causing a guy wire to break letting all of the ten bents fall, John Rider and S. S. Derrick were with Matheny on top, two of them jumped and saved their lives, Matheny's skull was crushed by a falling timber causing his death.

April 21st, 1908. Jas. Waters, American, Imperial No. 1 Mine. Was working around a fall in the entry, a piece of the top coal weighing about 500 lbs. fell on him causing a compound fracture of left leg and crushed through the body, he died same day about 7. P. M. from internal hemorrhage.

June 19th, 1908. Steve Koavis, Hungarian, United Gas No. 1 Mine.

Was working in room No. 8. first right entry off 2nd face entry, was making an undercut from the centre to the left side, and not spragging or supporting it in any way the coal fell on him, mashing his head and shoulders, killing him instantly.

PUTNAM COUNTY.

October 29th, 1907. Everet Harmon, American, Plymouth Mine. Was pushing a car loaded with timber in front of his motor, the car became derailed and caught him between the motor and car causing internal injuries, on November 3rd, 1907 he died from blood poison.

December 4th, 1907. William Wolf, American, Black Betsey No. 1 Mine. This man was an outside employe on the river tippie, not having any work on this day he went into the mine to select a place to work as he had decided to be a miner during the winter season, while coming out of the mine riding on the rear end of the motor, was caught by a fall of slate crushing his body causing instant death.

March 23rd, 1908. W. B. Bailey, American, Big Otto No. 2 Mine. He had been ordered to take down some draw slate about two days ago but neglected to do so, consequently it fell on him, crushing him so seriously that it caused his death.

RALEIGH COUNTY.

July 19th, 1907. Joseph Chaslick, Litvitch, Beckley Mine. While in the act of pulling down some slate it fell on him, causing his death.

August 10th, 1907. John Misor, Polish, Sprague Mine. While at work making a cut the slate fell on him, causing internal injuries from which he died on August 12th 1907.

August 15th, 1907. Leon Smith, Negro, Lanark No. 3 Mine. In neglecting to put up sufficient number of props, the slate fell catching him causing internal injuries and death. The mine foreman had warned him that morning to use plenty of timber.

October 17th, 1907. James E. Goodman, Negro, Eccles No. 2 Sinking shaft. While descending the shaft in a bucket it struck a platform throwing him out and down the shaft, killing him instantly.

October 28th, 1907. Frank Iaconini, Italian, Eccles Sinking Shaft No. 1. He was picking down some clay at the side of the shaft when a large piece fell on him knocking him down, dislocating his back, he was sent to the Sheltering Arms Hospital and died on the 9th day of December 1907.

December 14th, 1907. Ira Miller, American, Mabscott Mine. He was a driver and the supposition is that the empty care became derailed knocking out a post allowing the slate to fall catching the boy inside the car, his neck was caught on the edge of the car and broken causing his death.

January 10th, 1908. Marshall Busti, Polish, Cranberry Mine. This man attempted to jump from cage to floor of tippie after the cage had started to descend the shaft, and was caught between the bonnet of the cage and the tippie floor on upper landing throwing him back to edge of cage and off same to edge of shaft at lower top landing thence falling

into the shaft and to bottom of same, breaking his arms, legs and back and crushing skull killing him.

January 26th, 1908. John Dillon, American, Eccles Sinking Shaft No. 2. He was moving a pump in the shaft and fell from the lodgement to the bottom of the shaft about 300 ft. crushing his skull and body causing his death.

February 3rd, 1908. Mike Vyviol, Polish, Price Hill Mine. While making a cut in coal a piece of slate known as a "Kettle Bottom" fell without any warning striking him on the body crushing out his life.

February 18th, 1908. R. H. Kenhead, American, Raleigh No. 3 Mine. A mining engineer, was extending points in a heading that had been idle for three days, the slate had become loose and not making the proper examination the slate fell on him breaking right leg, was sent to the Hospital and died on the 21st day of February, 1908.

March 3rd, 1908. Geo. Gorscoe, Polish, Graham Mine. While loading a car with coal some slate fell on him and broke his neck, causing death.

March 9th, 1908. John Wipish, Polish, Mabscott Mine. Was mining under a piece of slate at the face of room, in neglecting to remove this slate it fell on him bruising and dislocating his back, he was taken to the McKendree Hospital where he died on March 23rd, 1908.

March 11th, 1908. Mike Kapeski, Polish, Price Hill Mine. Was under mining on the second left entry, when slate fell on him crushing his skull and body, causing his death.

April 11th, 1908. Joseph E. Smith, Eccles Shaft No. 2. A piece of slate fell from the side of shaft striking him mashing through chest and fracturing skull, taken to Hospital and on April 14th 1908 he died.

June 5th, 1908. Frank McLaughlin, American, Raleigh No. 6 Mine. While riding on motor in mine he was caught between the motor and a low place in the top rolling him between the motor and top coal causing his death in about ten minutes.

June 10th, 1908. James Paul, English, Skelton Mine. Was working in room No. 3 off second left, when about 1000lbs. of slate fell on his head and chest crushing him so seriously as to cause instant death.

LOGAN COUNTY.

December 17th 1907. Henry I. Fitch, American, Island Creek No. 3 Mine. An electrician, was tightening a bolt on the centre box of an excentric shaft, his coat was caught between pinion and motor shaft and a gear wheel on main shaft which pulled him through the machine cutting his right arm off at the shoulder, to save himself he took hold of the gear wheel with his left hand and it was taken through the machine breaking this arm in three places, his body was drawn under main shaft and his clothing so tightly wound around same that it took about seven minutes to extricate him, the machine was stopped as soon as it could be done, he died that evening about one hour and forty minutes after the accident.

January 17th, 1907. Mont Epling, American, Draper Mine. He with another man had been shooting slate in the forenoon, and went back

in the afternoon to finish up and load what they had done, in passing around a track they were loading, a large piece of slate fell on him, killing him almost instantly.

May 21st, 1908. Mike Pentock, Slavish, Cora Mine. He was working on the truck about 150 feet inside the mine, his head came in contact with the electric trolley wire, which gave him such a shock that it caused his death, although there were no marks or burns of any kind to be discovered on him, it is thought that he had heart trouble and the shock even if light caused his death.

MINGO COUNTY.

July 2nd, 1907. A. C. M. Kinster, American, Commercial No. 1 Mine. Was killed by a fall of slate.

July 22nd, 1907. Jno. B. Vargo, Hungarian, Thacker No. 3 Mine. Was killed by a fall of slate.

July 31st, 1907. Chas. Coleman, American, Marvin Mine. Was working as machine helper under some sand stone, after cutting about two feet under face of coal a seam appeared, and a piece of sandstone fell on him breaking his neck, mashing his head and shoulders causing instant death.

August 14th, 1907. Hayes Rollins, Negro, Margaret No. 1 Mine. Was driving two mules pulling one car, he got off on the ground to whip mules, they started up briskly in his attempt to get on the front bumper of car he missed his footing, the car knocked him down and ran over him killing him instantly.

October 10th, 1907. Joseph Jones, American, Thacker No. 3 Mine. This man and another person was sent into No. 8 right entry to clean slate, they said the place was dangerous but were working under this slate when it fell striking Jones killing him.

October 14th, 1907. Edward Burgraff, American, Marvin Mine. He had just fired two shots in the coal under the slate and was picking the coal when a piece of slate fell on him, crushing his back, stomach and bowels, causing his death on October 16th, 1907.

October 30th, 1907. Charley Milar, American, Merrimac Mine. Was making a cut on some pillar work in Varney entry, he got up from the machine walked back a short distance from the place they were working when the slate fell on him killing him.

November 4th, 1907. P. O. Holt, American, Lingohocken Mine. He along with another person was drawing pillars, and were working the loose end of a stump; Neff, his partner, was setting a prop that had been knocked down by a shot, when the rock fell and caught Holt without any warning, making internal injuries from which he died.

June 8th, 1908. Thomas Kimbler, Howard Mine. He was loading coal from under draw slate and was stopped loading by the Mine foreman who told him to do some propping, and he promised to do so, but in about ten minutes the slate fell on Kimbler breaking his spinal cord and one leg, causing his death. His son Willie was non-fatally injured in this accident.

MCDOWELL COUNTY.

July 11th, 1907. Wm. Munsey, American, Berwind No. 1½ Mine. He was told in the morning to go up third right entry and look the place over, when up to No. 4 room saw a man hunting some one to look at the top which was working; Munsey went up to the face of this room, the loader warned him to stand back but he went directly under the rock which fell on him, crushing his head and killing him.

July 12th, 1907. Arthur Reed, Negro, Page mine. After making a shot he was shoving some spralls out of the way when the slate fell on him, breaking his neck and other injuries causing his death.

July 15th, 1907. Mike Oliskie, Slavish, Bottom Creek Mine. Was working as slate man on No. 10 entry, and was employed in pulling down some draw slate next to the face of No. 61 room and it fell on him, fracturing his skull, breaking neck and leg and causing death.

July 16th, 1907. John Popp, Hungarian, Lick Branch Mine. After cutting through a breakthrough into an old entry the slate fell on him, breaking his back causing death.

July 20th, 1907. Charley Davis, Negro, Arlington Mine. He and his partner were undermining their coal when a "kettle Bottom" fell on Davis fracturing right side of skull, and fracture of left leg at ankle, from which he died.

July 22nd, 1907. Lee Viniston, Negro, Algoma Mine. A door boy, ran after and caught at some cars, that were going up the entry he struck the brake which knocked him down rolling him between the rib and car, crushing him to death instantly.

July 22nd, 1907. Robt. Hatcher, Negro, Indian Ridge Mine. His partner told him to put up two props to make the place safe, while loading coal, instead of doing this he took his pick and began pulling at some slate, when it began to fall he ran under it instead of standing still; it fell on him crushing his head and body causing his death.

July 26th, 1907. John Neagu, Roumanian, Pulaski Mine. Was working under some loose slate a piece of which fell on him breaking his neck and back from which he died. He had been been requested to set some props but neglected it.

July 27th, 1907. Arthur Bryant, American, United States No. 1 mine. Was a driver and was found under a car with his head crushed, and nearly severed from his body; he was riding on the front of a motor trip of seventeen cars, and must have fallen off and caught under the cars, as he was found dead after the motor had stalled.

August 23rd, 1907. Green Burleson, American, Houston No. 2 Mine. After shooting two shots in order to get some slate down and was preparing to shoot again the slate fell on him, breaking his back and causing other injuries from which he died.

August 23rd, 1907. Louis Steele, Negro, Algoma Mine. While cutting the side of an entry to make room for a parting slate fell on him fracturing left forearm and right thigh, on August 26th, 1907. He died.

September 6th, 1907. Joseph Benick, Greek, Elk Ridge Mine. Was caught under a fall of slate, and killed instantly.

September 6th, 1907. Teder Saptka, Russian, United State No. 1 Mine. He was loading a car when some slate fell on him, breaking his back causing his death in one hour after the accident.

September 8th, 1907. Geo. Cundiff, Negro, Bottom Creek Mine. Along with some others was employed in shooting down and clearing away some slate; he was told by the foreman to be careful and keep away, in returning too soon after a shot had been fired was caught by the falling slate bruising his back, and internal injuries, was sent to the Hospital at Welch and died on the 10th of September, 1907.

September 26th, 1907. R. C. Crutchfield, American, Empire Mine. In attempting to stop a motor from running into motor house, ran into a work bench in rear end of the house and was squeezed between the motor and bench, receiving a serious injury from which he died on September 29th, 1907.

September 27th, 1907. John Horwat, Hungarian, United States No. 1 Mine. Was taking up track to clean a fall when slate fell on him breaking his neck, and back broken in two places, causing his death.

October 4th, 1907. Samuel Collier, Negro, Tidewater Mine. He was coming out with driver in a car at 10th cross entry the car ran upon a slate fall and stopped the mule, while there the slate began to fall the driver seeing it start, ran back up the entry but Collier remained in the car and was killed.

October 5th, 1907. Andrew Maruski, Hungarian, Pulaski No. 1 Mine. While employed in this mine as a miner on No. 5 pillar No. 1 room, a fall of slate struck him breaking his neck, killing him almost instantly.

October 8th, 1907. Joe Marci, Italian, McDowell Mine. He was taking down slate when the fall started; he ran under instead of away from it and was struck by the slate causing internal bleeding which caused his death on October 29th, 1907.

October 12th, 1907. Mance Chapman, American, Norfolk Mine. He was employed as a helper on track, but at the time of this accident was helping unload a car of ties, when a piece of slate fell on him breaking his spine and inflicting other injuries, which resulted in his death.

October 14th, 1907. Wm. Barksdale, Negro, Powhatan Mine. Was working in room No. 6 on No. 4½ cross entry in west mine, had loaded two cars and was boring a hole to shoot, when the slate fell on him, mashing his head and body killing him.

October 15th, 1907. Steve Sekerty, Hungarian, United States No. 1 Mine. This man had fired a shot, and went back into the place, started to work when slate fell on him, breaking leg and inflicting internal injuries from which he died.

October 19th, 1907. J. C. Leach, American, Berwind No. 1 Mine. Was moving mining machine from one place to another in walking around the machine his pants leg was caught in machine sprocket which badly lacerated the leg between the knee and thigh; was taken to Welch Hospital where he died on October 22nd from blood poison.

October 21st, 1907. Lawrence Hardy, American, United States No. 12 Mine. After putting three sticks of dynamite in a hole and tamping same, he used a short fuse to ignite it. He was about fifteen feet away

when it exploded burning his face and chest; was sent to the Hospital where he died on October 28th, 1907.

October 25th, 1907. George Smith, Negro, Empire Mine. Was engaged in taking out a pillar on No. 14 entry. He was told to set a prop and that the slate would have to come down before track could be layed; he disputed this and said the place was alright, just then this slate started to work and fell on him killing him.

November 2nd, 1907. Frank Shawmline, United States No. 4 Mine. He was working in main haulage heading loading up slate; a piece of slate that was shattered and he tried to pull it down but did not succeed, and resumed his work, and in the act of shoveling that piece of slate fell on him, breaking pelvis bone and rupturing bladder causing his death on the 13th day of November, 1907.

November 5th, 1907. Ed Harmon, Negro, Eureka Mine. Was digging coal when a lot of slate that had broken behind the face of coal fell on him causing instant death.

November 5th, 1907. Joe Grenite, Italian, Bottom Creek Mine. While working as a slate hand was caught by a fall of slate near the face of No. 11 entry, breaking his neck. Carmello Sterraggi, and Antonio Jardine, Italians, were also killed in this accident; there were two non-fatally injured also.

November 7th, 1907. Joseph Kantor, German, United States No. 1 Mine. Was working in right parallel to No. 2 haulway cleaning out a corner in the face of the coal, in doing this he released some slate, known as a "Kettle Bottom" and it fell on him striking his head fracturing the skull and breaking his jaw, killing him.

November 7th, 1907. James Cocus, Hungarian, Berwind No. 1 Mine. Was pushing a mine car into room, it became derailed ran against a prop and knocked it out causing the slate to fall on him, smothering him to death.

November 19th, 1907. John Carter, Negro, Lynchburg Mine. He was putting a cut in No. 11 cross entry; had it in about two feet when a slab of coal fell from the face on him, mashing his head, killing him. Had insurance, \$50.00.

November 22nd, 1907. Peter Sious, Russian, Angle Mine. He was working in room No. 13 and came in contact with the electric wire which burned his left side and hands; he lived about ten minutes after the shock, he had been cautioned not over ten minutes before not to touch the wires.

November 22nd, 1907. Andrew Gee, Negro, Pulaski Mine. This man was dropping several cars from parting to the entry, and either jumped off or fell off and was rolled between the car and rib, crushing his chest and pelvis from which he died.

November 25th, 1907. Beverly Cecil, Negro, United States No. 6 Mine. He and Horris Coleman were together in 1st left off 1st left off main, driving a heading towards 3rd left, after finishing their days' work went outside to blacksmith shop to get their tools sharpened; they then returned to their working place and commenced mining without taking

down the draw slate, the slate fell on Cecil crushing his body killing him.

November 30th, 1907. Nathan Browning, American, United States No. 7 Mine. This boy's job consisting of oiling cars and going errands for the tippie men, in his attempt to catch an empty car that was leaving the kickback and missed his footing and fell, and the car ran over him mashing his body causing death.

December 3rd, 1907. Isaac Shannon, Negro, Page Mine. He was brakeman or coupler for motorman Pettus, when the motorman started the trip he looked back to see if the cars were coupled and if Shannon was flagging him or not, when he had gone about three hundred feet he stopped and Shannon flagged me ahead; I pushed back close to where the cars were first standing; I stopped and saw that I was not against the cars; I proceeded farther down and coupled the cars and I was told Shannon had been killed; he no doubt was coupling the cars and was squeezed breaking his neck and fracturing a leg.

December 13th, 1907. Henry Corington, Negro, Jed Mine. This man along with Willie Walker and eight other men were being hoisted out of the Jed Shaft, the engineer not stopping cage at the proper landing but proceeded on up throwing eight men into the coal chute uninjured, but Carington and Walker jumped off back end of the cage and fell down into the shaft, killing them instantly.

December 16th, 1907. Theodore Rauch, Irish, Shamokin Mine. After making a shot he commenced to load a car, had almost finished it when some top coal fell on him causing his death before he reached the outside.

December 27th, 1907. Marion Morella, (F. Armour) Italian, King Mine. This man was pushing cars to rope at the bottom of slope, when a car that had been standing on the slope siding ran down and caught him between the bumpers, fracturing three ribs on left side and two ribs on right side from which he died January 1st, 1908.

December 30th, 1907. Jas. Roscoe, Roumanian. Berwind No. 1 Mine. About two o'clock in the morning this man and his partner were preparing a couple of shots, Roscoe had a box with dynamite caps laying open on his leg, his partners light went out and he struck a match to light it again, throwing the match from him; it fell into this box of caps and caused them to explode, crushing and lacerating his thigh causing death about three hours later.

January 3rd, 1908. Wm. Poindexter, Negro, United States No. 3 Mine. Was riding on second car from front end of trip coming to tippie laying flat on his back, his feet hanging between the cars, the cars were going at a lively speed when they struck the switch and left the track which threw him off, coal falling on him injuring him about the kidneys and bladder; he was taken home, and on the 12th was sent to Welch Hospital where he died on January 17th, 1908.

January 3rd, 1908. Jno. Gilgy—Big Sandy Mine. While mining coal some slate fell on him crushing his breast; was sent to the hospital at Welch and died shortly after arriving.

January 10th, 1908. Robt. Thomas, Negro, Turkey Gap Mine. Was

letting a car down on the coke track, the brake chain broke, he fell in front of the car and it ran over him, killing him instantly.

January 17th, 1908. Steve Warmick, Russian, Turkey Gap Mine. He got on the rear end of a mine car to ride out to the entry, the car left the track and knocked out a prop allowing the slate to fall which struck him, causing his death.

January 22nd, 1908. Paul Smelka, Slavish, United States No. 6 Mine. He had probably been at work thirty minutes mining his coal when a piece of slate about 5'x21½"x5" fell striking him on the head fracturing his skull causing his death before they could get him to his home.

January 27th, 1908. Andy Veto, Hungarian, United States No. 6 Mine. Was working in room No. 7 in fifth right on 1st left haulage entry, trying to take down some slate, but only succeeded in getting a part, he went out to the entry to eat his dinner, when through he returned to the working place and started to pull down slate, when it fell catching him under it crushing his skull causing death, was insured for \$800.00.

January 29th, 1908. Toney Valent, Italian, Ashland Mine. While he was oiling an empty mine car at the mouth of the mine did not notice a loaded car that was coming out of the mine and was caught injuring his leg, mashing it so as amputation may be necessary, was taken to Welch Hospital January 31st, 1908, after amputating his leg he died on February 1st, 1908.

January 29th, 1908. James Witcher, American, United States No. 3 Mine. This man was looking for work had seen the mine foreman but did not start to work that day, he afterwards went in the "L" entrance and up the heading as far as 4th butt "L" he stopped with the flagman for several hours, when the driver came out to switch he wanted to stop, and Witcher in assisting to set brakes was caught between the car and rib and crushed about chest and hips, causing his death.

February 4th, 1908. J. A. Turner, American, Marytown Mine. Was a door keeper in the mine, a motor and trip of fifteen cars had passed through the door way at 9th right where this man was standing, the motorman felt that the train was pulling hard, he stopped went back and stumbled over the body of the victim about nine cars from the front, he had been dragged about two hundred feet; he was badly cut up and dead when picked up; do not know how he came to be caught as no one saw him.

February 6th, 1908. Steve Tokots, Italian, Indian Ridge Mine. He had undermined and shot one side of room, leaving the other half open ended. He then began undermining the other part without putting a sprag under to hold up the loose end, the coal being loosened by the shot already fired, caused it to roll over on him, fracturing his skull and crushing his body, killing him.

February 19th, 1908. Michael Thomasaistah, Slavish, United States No. 1 Mine. While trimming a room in main south, put in a cut and fired a shot and commenced to load his coal, when about loaded the fire boss came and examined his place and instructed him to take down some slate which he promised to do as soon as he finished the car, but

before he was done, the slate fell breaking his legs and crushing through chest, killing him instantly.

February 22nd, 1908. Jeff Slegle, American, Page Mine. Was killed in the mine by a fall of slate.

February 22nd, 1908. Frank Goodman, American, J. B. B. No. 3 Mine. Had just fired a slate shot and thought the gob was making a noise, but it was the slate and it fell on him, fracturing right forearm and injuring his back, was taken to the miners Hospital where he died on March 19th, 1908.

February 24th, 1908. Cornelius Lazal, Hugarian, Empire Mine. While at face of No. 6 diagonal entry loading a car, slate fell on him, crushing his chest and back killing him.

March 4th, 1908. Frank Kellar, Negro, United States No. 3 Mine. He was putting a brake on car, and pulled up tight, then it let loose and turned over, was pulled off cars, bones of right pelvis fractured and probably rupture of the bladder, was taken to miners Hospital at Welch, March 5th, where he died while being put on the operating table.

March 10th, 1908. John Pickett, American, Upland Mine. This man was lying track in No. 60 room on 9th cross entry, was pulling some spikes from an old cross tie that was near the face of room, when slate fell on him breaking his neck, causing death.

March 18th, 1908. Mike Mockshin, Russian, Beech Bottom Mine. He was making an undercut in room No. 69 on 9th entry when coal fell on him killing him, was found by the driver on returning to his room with an empty car.

March 18th, 1908. Mike Sakerchuck, Russian, Turkey Gap Mine. A piece of coal fell from face of room on him, killing him.

March 31st, 1908. Charley Switch, Hungarian, Houston No. 2 Mine. He was mining coal in No. 28 cross entry, the cut did not pull good, and after loading up what loose coal he had down fired three more shots into it failing again to pull it down, he commenced shearing rib after being told by his partner that he would get hurt, when about a ton of coal rolled over and caught him between coal and car, that was standing in place, bruising his right cheek and side of neck, and a contused back and other injuries. He was taken to the Welch Hospital and died on April 8th, 1908.

April 14th, 1908. Joe Walker, Negro, Turkey Gap Mine. He was told to take the draw slate down, but failed to obey orders he kept on working when it fell on him killing him.

April 18th, 1908. John Barney, Negro, Ashland Mine. While at work on No. 10 pillar on second cross Wheeling, the slate fell on him killing him instantly, failed to place the necessary props as he was ordered by the Mine foreman was the cause of the accident.

April 26th, 1908. John Sabbo, Hungarian, Crozer No. 1 Mine. This man had cut through and was taking the back end of a stump of coal, the slate fell on him mashing his head, breaking his arms and collar bone and body mashed, killing him, neglect in setting props when ordered was the cause of the accident.

April 21st, 1908. Mike Orwida, Hungarian, United States No. 1 Mine. After having loaded his car his partner commenced mining in left corner, while he was setting some posts, when a horseback of slate fell catching him under it causing his death.

May 1st, 1908. Jon Kohl, Polish, Jed Mine. Was working on an entry when a kettle bottom fell on him, killing him.

May 8th, 1908. Wm. Brown, Negro, Houston No. 2 Mine. He and Sandy Wooten were drawing back no. 13 pillar on No. 9 Butt cross entry, in shifting their empty car they lifted front end off the track so as to not let a loaded car that was to pass strike it, Brown did not take notice of what had been told him to keep out of the way when the driver came with the loaded car, it struck the empty car throwing the end of it around and caught Brown between the car and prop, killing him almost instantly.

May 11th, 1908. Pontello Baronchuk, Russian, Delta Mine. He went from his No. 5 room into another room to assist another miner, and was caught by a piece of draw slate about 3'x3'x3" thick, breaking his back and fracturing left leg, was sent to Welch Hospital and died on June 10th, 1908.

May 20th, 1908. Steve Schloskey, Hungarian, United States No. 10 Mine. While at work with C. C. Woods, had finished loading a car and was taking down some loose coal from face when slate fell on the deceased, cutting off the top of his head and left arm nearly off, killing him, they had examined the slate previous to loading the car and it seemed to be alright.

May 22nd, 1908. Joe Bryat, Italian, Angle Mine. This man was a driver and was on No. 3 entry with a loaded car, and ran against a driver coming out of an air course with a loaded car, had he been on the rear of car instead of the front end he would not have been hurt, as it was he received a broken leg and internal injuries that caused his death a few hours after the accident.

June 2nd, 1908. Peter Totten, Hungarian, Empire Mine. While under-cutting a piece of coal that was loose on all sides but one it fell on him, crushing and causing his death, he had been warned by three persons, one being his foreman to not work under it, but he persisted and suffered the results.

June 3rd, 1908. James McDowell, Negro, Twin Branch Mine. He was working as a helper to the drum runner, stepping back struck an electric wire with his shoulder and was knocked to the ground dead.

June 5th, 1908. Harry Brown, Negro, Roanoke Mine. He was riding on front car going into the mine, when jumping off he either fell or stumbled in front of the car which ran over him breaking his neck left shoulder and fracturing four ribs and possibly internal injuries causing his death.

June 6th, 1908. Joe Muluke, Italian, United States No. 8 Mine Tipple. There were two 440 volt wires on the outside of the tipple that were not insulated, this man reached out of the tipple window and took hold of both wires with his hands, which killed him instantly, this was an uncalled for act as his work was at another part of the tipple.

June 8th, 1908. Ed. Thomas, American, United States No. 5 Mine.

This man and his partner were working in heading parallel to 1st left, when they heard the roof working, they both went out but Thomas went back to cut the slate loose and it fell on him, breaking his neck and killing him.

June 9th, 1908. Knop Tarasink, Russian, Delta Mine. The mine foreman took this man and his helper to No. 46 room upper third entry to lay a turn, they sounded the roof and pronounced it safe, about four hours afterwards a piece of slate 6' 3" long 4' wide and 8" thick fell on him, killing him instantly.

June 9th, 1908. Eugene Lewis, American, Crozer No. 2 Mine. This man was bailing water, for some unknown reason he got on the electric motor that was there for the purpose of taking out the water cars after they were filled, he put one hand on the motor and the other one on the Hoop of the trolley pole and the electric shock killed him instantly.

June 13th, 1908. Steve Olszewske, Polish, Shawnee Mine. He had shot brake and rib shot, but left a part of the rib standing and started to load the car when the balance fell on him, dislocating left ankle and sustained internal injuries, was sent to Hospital at Welch where he died on June 24th, 1908.

June 16th, 1908. Filbert Abbott, Negro, King Mine. He was making a cut and his partner heard the slate cracking and warned him to get from under it, that it was dangerous, he did not go quick enough and the slate fell on him, fracturing his skull killing him.

June 26th, 1908. John Duke, Greek, United States No. 4 Mine. He and his brother were loading a car with coal, this man was on the right hand side next to the track when some slate fell on him, breaking his neck and back killing him.

June 26th, 1908. Maron Cehenuk, Russian, Delta Mine. Was working on stump at No. 4 cross entry, and was caught by some slate falling on him, breaking both legs and his neck, killing him.

June 29th, 1908. Whitney Fullen, Negro, Peerless Mine. Had finished loading a car and the driver pulled it out of the breakthrough, Fullen started to scrape up some loose coal when a piece of slate fell on him, crushing through pelvis and he only lived two hours.

WYOMING COUNTY.

April 22nd, 1908. John Hauck, and Charley Scott, Rich Knob Mine. These men were killed by a powder explosion, no details were given.

MERCER COUNTY.

August 16th, 1907. H. L. Farley, American, Booth-Bowen Mine. While he and his partner were putting down some rails (or jumpers) to get the cars near the face of the room, a kettle bottom fell on Farley striking the back of his head crushing his skull, causing his death.

September 19th, 1907. Carlo Mariano, Italian. Weyanoke Mine. He was not an employe of the Company, and the mine foreman did not know he was in the mine, a piece of draw slate fell and killed him. Michael Angelo was non-fatally injured in this accident.

November 28th, 1907. W. M. Johnson, Negro, Pawama Mine. This man was taking out a stump, while he was boring a hole under a piece of slate,

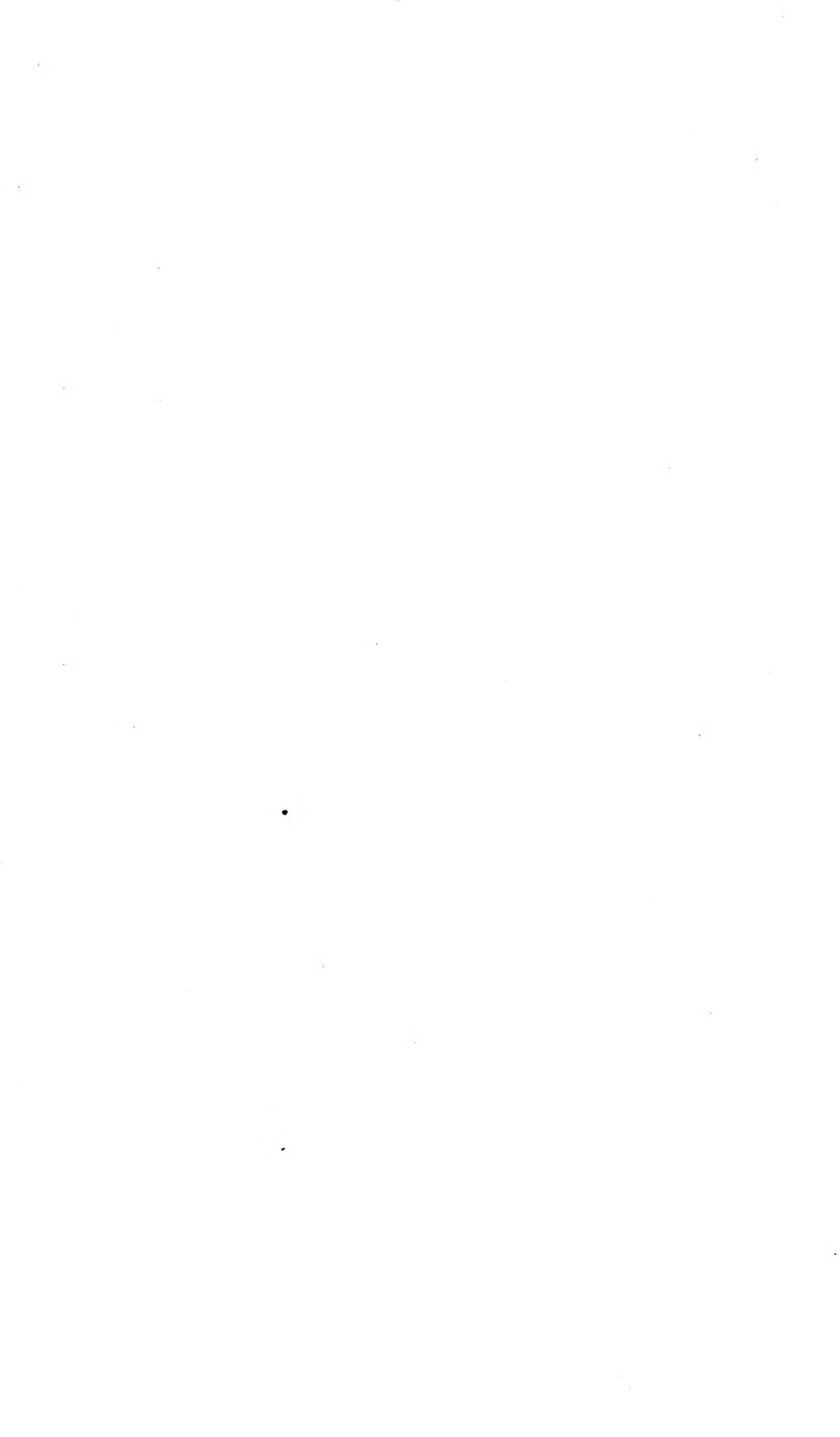
the slate fell on him killing him instantly, another case of carelessness in not making the place secure.

February 11th, 1908. Alex Pullom, Negro, Mill Creek Mine. While pulling down some top coal that was loose it fell on him fracturing skull, and left thigh causing his death, if he had used a bar instead of a pick to pull down this coal he might not have gotten hurt.

March 13th, 1908. Felix Sanders, American, Mill Creek Mine. He had taken up some bottom coal leaving the top brow, he then put a shot in the left rib, which failed to pull the coal, then he put in another shot from the face, this one also failed to do the work, he then started to load his car under the brow when it fell killing him instantly.

June 8th, 1908. Andy Kuski, Slavish, Buckeye "South Mine. He was working in room No. 9 off of 4th, cross entry off of Simmons entry, as the top of this room was unsafe, the mine foreman put him in another place to work, in the evening he returned to the unsafe place and started to work, when the slate fell on him killing him.

CONDITION OF THE MINES.



MINE INSPECTORS.

James W. Paul, Chief of the Department of Mines, Charleston.

FIRST DISTRICT.

R. S. LaRue, Inspector, Fairmont.

SECOND DISTRICT.

F. E. Parsons, Inspector, Clarksburg.

THIRD DISTRICT.

John F. Bratt, Inspector, Independence.

FOURTH DISTRICT.

*Edward V. Byrne Inspector, Elkins,

J. A. Springer, Inspector, Flemington.

FIFTH DISTRICT.

Earl A. Henry, Inspector, Clifton.

SIXTH DISTRICT.

Bonner H. Hill, Inspector, Chelyan.

SEVENTH DISTRICT.

Wm. Warner, Inspector, Charleston.

EIGHTH DISTRICT.

J. A. Straughan, Inspector, Thurmond.

NINTH DISTRICT.

John Phillips, Inspector, Beckley.

TENTH DISTRICT.

D. R. Phillips, Inspector, Bramwell.

ELEVENTH DISTRICT.

James G. Boyd, Inspector, Bluefield.

TWELFTH DISTRICT.

Patrick A. Grady, Inspector, Huntington.

*Edward V. Byrne, Inspector, until March 1st, 1908.

FIRST DISTRICT.

GENERAL SUMMARY OF THE FIRST MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings No. Persons Killed.		EMPLOYES.									Production of	
			Inside.					Outside.				Coal.	Coke
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers	Coke Workers.	Totals.	Sum Totals.	(Tons of 2,240 lbs.)	(Tons of 2,900 lbs.)
Brooke	6	5	126	394	64	89	673	85	...	85	758	458,284	.....
Hancock	3		18	44	8	25	95	15	...	15	110	66,511	.....
Marion	28	372	900	903	250	864	2,917	582	98	680	3,597	3,440,666	105,743
Marshall	7	3	76	280	44	87	487	71	...	71	558	369,189	.....
Ohio	9		73	103	14	43	233	31	...	31	264	143,698	.....
Totals	53	380	1,193	1,724	380	1,108	4,405	784	98	882	5,287	4,478,348	105,743

OFFICE OF THE FIRST DISTRICT MINE INSPECTOR.

Fairmont, W. Va., Sept. 26, 1908.

HON. J. W. PAUL,

Chief of Department of Mines,

Charleston, W. Va.

DEAR SIR:—I herewith submit to you my annual report as Inspector of Mines for the First District of West Virginia, for the year ending June 30, 1908. There are 54 mines in this district, and I am glad to say there has been considerable improvement in conditions of quite a number of these mines during the last year, in the way of better drainage and better ventilation.

I am also pleased to report to you that there has been some improvement in all the mines in my district, that were in operation during the last year. The operators and mine officials also seem to realize more and more the importance of keeping their mine in first class condition. With a few exceptions the mining laws have been complied with.

I regret to report that some violations have occurred, and it became necessary to have a few arrested and fined. Most of the violations was the use of an inferior grade of miners' oil in the mines. A great many of the men working in the mines are foreigners, and do not understand the meaning of our laws. They seem to be a very ignorant class of men in their own language.

There have been six new openings made in this district this year, one in Marshall County, Bituminous No. 1 shaft, 410 feet deep, and five in Marion County, namely, Dakota Shaft at Rivesville, Dakota Coal

& Coke Co., Little Harry No. 1 and No. 2, drift, Harry B. Coal Company, Monongah, Elizabeth, Drift, Pittsburg Steam Coal Company, Catawba, Drift, Catawba Coal & Coke Company.

One serious disaster occurred during the year, namely, the explosion at the two Monongah Mines, No. 6 and No. 8, on December 6, 1907, in which 359 persons were killed, as stated in my former report to you of this disaster. It is my opinion that the trip of nineteen loaded cars that broke loose and ran down the nine per cent grade into No. 6 mine, a distance of one thousand feet, wrecking at the bottom of No. 6 slope, and coming into contact with the electric wires at that point caused the disaster. It is my opinion that in the absence of electricity this disaster would not have occurred.

There have been a few other fatal and non-fatal accidents during the year from various causes incident to coal mines, reports of which I have sent you.

In conclusion I want to thank you for your able counsel and kind courtesy to me during the past year. I also wish to thank the employers and employes in my district for their kindness to me during the past year.

I am very respectfully yours,

R. S. LARUE,

Mine Inspector, 1st. District.

FAIRMONT, Sept. 26, 1908.

HON. J. W. PAUL,

Chief of Department of Mines,
Charleston, W. Va.

DEAR SIR:—I herewith submit to you some recommendations that I am in favor of having become a law for the bettering of conditions in coal mines in West Virginia:

1st. Machine cuttings to be thoroughly dampened before shots are fired and before dust is loaded out.

2nd. All roads in the mine to be kept free of coal and dust by loading out same after watering.

3rd. No shots to be fired while men are in the mine, except by permission of District Mine Inspector.

4th. No shooting from the solid.

5th. The absolute prohibition of electricity in all gaseous mines.

6th. I would also recommend the exclusive use of safety lamps in all mines in the state.

7th. For violation of the above, imprisonment in the penitentiary for a period of not less than five years.

Respectfully submitted,

R. S. LARUE.

The last two series numbers indicate the Inspector's number of the mine while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 115 indicates the first district and number 15 mine.

CONDITION OF THE MINES IN THE FIRST DISTRICT.

HANCOCK COUNTY.

MARQUETTE COAL COMPANY.

Series No. 101. *No. 4 Mine*.—This mine is situated on Harden Run, three miles east of New Cumberland. They are operating the upper Freeport coal on the double entry system. The coal is delivered to the P. C. C. & St. L. R. R., over a branch road three miles long, by an engine owned by the Marquette Coal Company. Ventilation is produced by a furnace and is good. A good quality of oil is used for illuminating purposes. All powder is carried into the mines in 5 lb. cans. The openings to this mine meets the requirements of the mining laws. The company is arranging to erect a fan at their mine. A map of this mine has been furnished this office as required by law. Rules were posted. Blankets and stretchers kept on hand. The main heading in this mine was driven 1100 feet through solid rock before striking coal.

This is a beautiful mine and the coal is of splendid quality.

C. F. WAGONER, Supt.

WM. GILMORE, Mine Foreman.

Series No. 102. *Marquette No. 5 Mine*.—Located on Harden Run, two miles east of New Cumberland. They are operating the upper Freeport coal on the double entry system. The coal is delivered over a branch road, a distance of two miles to the P. C. C. & St. L. R. R. by an engine owned by the Marquette Coal Co. Ventilation is produced by a furnace and is good. All coal is mined with picks. A good quality of oil was found in use. Powder is taken into the mine in five pound cans. Rules were posted. Blankets and stretchers kept on hand. This is an old mine and will soon be worked out.

C. F. WAGONER, Supt.

WM. LIDYARD, Mine Foreman.

M. M. CULLEN, OPERATOR.

Series No. 103. *Porter No. 1 Mine*.—Drift, not in operation.

BROOKE COUNTY.

LEWIS-FINDLEY COAL COMPANY.

Series No. 104. *Locust Grove Mine*.—Located on P. C. C. & St. L. R. R., two miles south of Collier station. It is a drift mine, operating the Pittsburg seam of coal on the double entry system. The ventilation is produced by a fan and two furnaces. The ventilation is fairly good. The roof of the mine in some sections is not good but is fairly well timbered. Powder is carried into the mine in 5 lb. cans. Oil used for illuminating purposes was found to be fairly good. The second opening meets the requirements of the mining laws. The coal is cut with Jeffrey Electric Chain Machines. Maps have been furnished this office. Blankets and stretchers kept on hand at the mine. Coal is hauled from the mine with Jeffrey 10 ton motors.

PETER NEIL, Supt.

CHARLES MOUNTAIN, Mine Foreman.

LA BELLE IRON WORKS.

Series No. 105. *La Belle Shaft Mine*.—This shaft mine is in operation at Steubenville, Ohio. The shaft is in Jefferson County, Ohio. The mine extends under the Ohio River into Brooke County, W. Va. Depth of shaft to surface landing is 198 feet. They are operating the upper Freeport vein of coal on the double entry system. Explosive gas is found in the mine and the mine is threatened with destruction from the fact oil and gas wells are being drilled through it. The coal is cut with Jeffrey Electric Chain Machines, and hauled to shaft bottom by Jeffrey motors. Maps have been furnished this office. Blankets and stretchers kept on hand at the mine. Rules are posted. All inspections have been made in company with Mr. Ebenezer Jones, the Ohio Mine Inspector. Open lights are used. A fair quality of oil was found in use in the mine.

P. J. HARRIGAN, Supt.

W. J. LAFERTY, Mine Foreman.

JOSEPH CHADWICK, Fire Boss.

REX CARBON COAL COMPANY.

Series No. 106. *No. 1 Mine*.—This mine is located on Cross Creek, on the Wabash Pittsburg Terminal R. R., six miles northeast of Wellsburg. Is a drift opening, operating the Pittsburg seam of coal on the double entry system. The roof is good, consisting of a hard, black slate. The coal is hauled from the mine with Jeffrey Motors and delivered to tippie over an incline 250 ft. by rope.

Ventilation is produced by a fan and is good. This mine is inclined to be dry, and the dust is of a highly explosive nature. Great care has to be taken in this respect. Some bad oil was found in use, and the guilty parties were arrested. Coal is cut with Jeffrey Electric Chain Machines. All powder is carried in to the mine in 5 lb. cans. Map of the mine has been furnished this office. Blankets and stretchers are kept at the mine. Rules are posted.

ARCHIE DONALDSON, Supt.

WM. GULLEY, Mine Foreman.

A. GILCHRIST & SONS.

Series No. 107. *Gilchrist Mine*.—This mine is located on the P. C. C. & St. L. R. R., one mile north of Lazerville. It is a drift opening, operating the Pittsburg seam of coal on the double entry system. Ventilation is produced by a furnace and is fairly good. All coal is mined with picks and hauled out with mules and delivered to R. R. over an incline 1050 feet long. Rules were posted. Blankets and stretchers kept at the mine. The oil in use was found to be of a good quality. A map of this mine has been furnished this office.

A. GILCHRIST, Supt.

W. T. GILCHRIST, Mine Foreman.

LA BELLE COAL COMPANY.

Series No. 108. *Lewis No. 1 Mine*.—This mine is located on the P. C. C. & St. L. R. R. at the southern extremity of Wellsburg. This mine is a drift mine operating the Pittsburg seam of coal on the double entry system. Ventilation is produced by a furnace and is only fairly good.

Drainage is only fairly good. The second opening is only fairly good. Rules were posted. Blankets and stretchers kept at the mine. The oil in use was found to be of fairly good quality. The coal is cut with electric chain machines and hauled out with electric motors and delivered to R. R. by incline 1025 ft. long.

O. L. MARQUET, Supt.

WILSON HOLMES, Mine Foreman.

BEECH BOTTOM COAL COMPANY.

Series No. 109. *Beech Bottom No. 1 Mine.*—This mine is located on the P. C. C. & St. L. R. R., 6 miles south of Wellsburg. It is a drift mine operating the Pittsburg seam of coal on the double entry system. Ventilation is produced by a Robinson fan, and is good. Drainage is good. All powder is carried into the mine in 5 lb. cans. The oil used is good. Rules were posted. Blankets and stretchers kept at the mine. The coal is undercut by use of chain machines and hauled out with motors and delivered to the railroad by incline 1800 feet long.

This is a nice mine and is capable of producing a large output of coal when in full operation. The quality of the coal seems to be very good. The second opening is lawful.

ELMER HOUGH, Supt.

W. E. WALLACE, Mine Foreman.

OHIO COUNTY.

RICHLAND COAL COMPANY.

Series No. 110 *Richland Mine.*—This mine is located two miles north of Wheeling on the P. C. C. & St. L. R. R. It is a drift mine operated on the double entry system in the Pittsburg seam of coal. Ventilation is produced by a fan, and is only fairly good. Drainage is fairly good. The second opening is only fairly good. Recommendations have been made in regard to second openings. All powder is carried into the mine in 5 lb. cans. The oil in use is good. Blankets and stretchers are kept at the mine. The coal is undercut with electric chain machines, and hauled out with Jeffrey Electric Motors and delivered to R. R. over an incline 250 ft. in length. Rules were posted. Maps of this mine have been furnished this office.

PAUL LEONARD, Supt.

WM. NIXON, Mine Foreman.

ELM GROVE COAL COMPANY.

Series No. 111. *Elm Grove Shaft Mine.*—This mine is located at Elm Grove, on the B. & O. R. R., 5 miles east of Wheeling. It is operated in the Pittsburg vein of coal on the, double entry system. It is ventilated by a fan and ventilation is good. All powder is carried into the mine in 5 lb. cans. The oil used for illuminating purposes is good. Maps of this mine have been furnished this office. The second opening meets the requirements of the mining laws. Blankets are kept, also stretchers are kept at the mine. The coal is mined by Jeffrey Chain Mining Machines, hauled to the shaft bottom by Jeffrey Electric Motors. Depth of shaft 65 ft.

J. B. CHAMBERS, Supt.

ALBERT EIKEY, Mine Foreman.

JOCHUM & COMPANY.

Series No. 112. *Central Mine*.—This mine is not in operation.
JOHN JOCHUM, Supt.

WHEELING STEAM COAL COMPANY

Series No. 113. *Wheeling Steam Mine*.—This mine is located in East Wheeling, on Wheeling and Lake Erie R. R. It is a drift mine, operating the Pittsburg vein of coal on the double entry system. Ventilation is produced by furnace, and was fairly good. Drainage fairly good. All powder is carried in 5 lb. cans. A fair quality of oil was found in use. No map of this mine has been furnished this office. The mine was worked out and abandoned some months after I began inspections in this district.

PAUL LEONARD, Supt,

ALBERT ROSE, Mine Foreman.

REYMANN BREWING COMPANY.

Series No. 114. *Manchester Mine*.—This mine is located in East Wheeling, on the Lake Erie R. R. It is a drift mine, operated on the double entry system. Ventilation is produced by a fan, and is good. The main entry is driven through the hill. Drainage is good. Powder is carried in the mines in 5 lb. cans. A good quality of oil is used. Maps have been furnished this office. Rules were posted. All coal is mined with picks. No blankets or stretchers are kept at these mines. All mines in the city limits use the ambulance in case of accidents to any of the persons employed.

C. C. SCHMIDT, Supt.

JOHN DONAHUE, Mine Foreman.

WHITTAKER-GLESSNER COMPANY.

Series No. 115. *Carter Mine*.—This mine is in East Wheeling, on the Wheeling and Lake Erie R. R. It is a drift mine, operated on the double entry system. Ventilation is produced by a fan and is good. Powder is carried in the mine in 5 lb. cans. A good quality of oil is used. The second opening is in fairly good condition. Maps have been furnished this office. Rules were posted. The City Ambulance is used in place of stretcher, in case of accidents to any person employed.

W. H. KAISLEY, Supt.

WM. MAGRUDER, Mine Foreman.

LA BELLE IRON WORKS.

Series No. 116. *La Belle Mine*.—This mine is located on the South side of Caldwey's Run, in South Wheeling. This mine did not come under my jurisdiction this year.

P. J. HARRIGAN, SUPT.

W. H. BLOUCHIN, Mine Foreman.

J. S. CREIGHTON.

Series No. 117. *Creighton Mine*.—This mine is located near Elm Grove, and is operating the Pittsburg seam of coal.

* This mine did not come under my jurisdiction this year.

J. S. CREIGHTON, Supt.

DANIEL SHAW, Mine Foreman.

PETER STORCH & SONS.

Series No. 118. *Storch Mine*.—This mine does not come under the jurisdiction of the Mining laws.

PETER STORCH, Supt. and Mine Foreman.

*MARSHALL COUNTY.**BOGGS RUN MINING & MANUFACTURING COMPANY.*

Series No. 119. *Boggs Run Mine*.—This mine is located on the B. & O. R. R. in Benwood. It is a drift mine operating on the double entry system, in the Pittsburg coal. Ventilation is produced by a fan and is not good. The oil in use in the mine was of a fair quality. Drainage fairly good. The second opening is in fairly good condition only. This is an old mine and they are retreating, bringing what coal they can get from the interior as they come out. All coal is mined with picks and hauled out by a rope. A map of this mine has been furnished this office. No blankets or stretchers are kept at the mine. The City Ambulance used in case of accidents to any one employed at the mine.

PHILIP KUNTZ, Supt.

EUGENE MILLER, Mine Foreman.

WHEELING STEEL & IRON COMPANY.

Series No. 120. *Benwood Mine*.—This mine is located on the B. & O. at Benwood. It is a drift mine, operated on the double entry system, in the Pittsburg coal. Ventilation is produced by a fan and is fairly good. Drainage is good. The second opening to this mine is in fairly good condition. Quite an amount of work is being done in this mine in the way of repairs and cleaning it up. Powder is carried into the mine in 5 lb. cans. The oil used is good. All coal is cut by electric chain machines and hauled out by an electric motor. Rules are posted. Maps have been furnished this office. The City Ambulance comes at once for any one who may get hurt at the mine. No blankets or stretchers are kept at the mine.

C. DAWSON, Supt.

WM. TURNBULL, Mine Foreman.

HITCHMAN COAL & COKE COMPANY.

Series No. 121. *Hitchman Mine*.—This mine is located on the B. & O. R. R., at the southern extremity of Benwood. This mine is operating the Pittsburg coal on the double entry system. The coal is reached by a slope 800 feet long. Ventilation is produced by a fan and is good. Some explosive gas is given off in this mine. The mine has an electric equipment. The coal is hauled up the slope to the tippie by endless rope. Outside is a steep trestle 1000 feet long. At the end is a coaling station used for coaling engines. The bin at this station holds 1000 tons. All powder is carried into the mine in 5 lb. cans. A good quality of oil is used in the mine. Maps of this mine have been furnished this office. The second opening meets with the requirements of the mining laws. Quite an amount of work has been done in this mine this year, in the way of cleaning it up, and building overcast, and enlarging the air courses. Blankets and stretchers are kept at the mine.

E. C. PICKETT, Supt.

JOHN HULL, Mine Foreman.

CHARLES ERIG, Fire Boss.

GLENDALE COAL COMPANY.

Series No. 122. *Glendale Shaft Mine*.—This mine is located at Glendale, on the B. & O. R. R. It is a shaft mine 90 feet deep and is operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is only fairly good, owing to the bad condition of the main air course to this mine. Quite an amount of cleaning up has been done in this mine in the last year, and quite an amount remains to be done. Powder is carried into the mine in 5 lb. cans. The oil used is fairly good. Maps have been furnished this office. Blankets and stretchers are kept at the mine. Rules are posted.

E. C. PICKETT, Supt. MIKE FREEMAN, Mine Foreman and Fire Boss.

MOUND COAL COMPANY.

Series No. 123. *Mound City, or Moundsville Shaft*.—This shaft mine is 165 feet deep and is located on the B. & O. R. R., at the northern extremity of Moundsville. It is operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is only fairly good. The old workings in this mine have been abandoned, and a new block of coal near the shaft bottom is being opened up. Drainage is fairly good. The oil used is fairly good. Rules are posted. Blankets and stretchers are kept at the mine. The second opening meets the requirements of the mining laws.

PETER LOWTHER, Supt.

WM. H. LOWTHER, Mine Foreman, and Fire Boss.

BITUMINOUS COAL COMPANY OF AMERICA.

Series No. 124. *Bituminous Shaft Mine*.—Is located one mile north-east of Moundsville on Parr's Run. This mine is operating the Pittsburg coal. Shaft is 410 feet deep. The mine is ventilated by a Jeffrey Fan, and the ventilation is good. There is but one opening to this mine. The number of men in this mine is kept below 20 persons. A second opening to this mine has been recommended. Considerable gas is given off in the mine. All powder is carried into the mine in 5 lb. cans. The oil used is of a fairly good quality. The mine is equipped with electric machinery. Rules are posted. Blankets and stretchers are kept at the mine.

O. K. WARD, Supt.

JOHN DUTY, Mine Foreman and Fire Boss.

PANAMA COAL MINING COMPANY.

Series No. 125. *Panama Shaft*.—186 feet deep. Is located one mile south of Moundsville on Graves Creek, operating the Pittsburg coal. Ventilation is produced by a Robinson fan, and is good. Drainage is good. A fair quality of oil is used. The second opening meets the requirements of the mining laws. All powder is carried into the mines in 5 lb. cans. Maps have been furnished this office. Rules are posted. Blankets and stretchers are kept at the mine. Some explosive gas is given off in the mine, but it is well taken care of. The output of coal from the mine has been small the last year from the fact that a flood of water

washed out the bridge on the branch railroad leading into the mine and the coal had to be conveyed across the stream in buckets on a system of ropes. The company is rebuilding the bridge at present. *

O. K. WARD, Supt.

JAMES EXTON, Mine Foreman and Fire Boss.

MARION COUNTY.

GEORGES CREEK COAL & IRON COMPANY.

Series No. 126. *Chatham Shaft, No. 1 Mine*.—Located at Farmington, on the B. & O. R. R. Wheeling Division. Shaft is 255 feet deep. Ventilation is produced by one 25 foot fan and one 22 foot fan, and is good. The mine is equipped with a large compressed air plant, and all machines and pumps in the mine are run by air. These air lines are attached to the water lines outside of the mine and the mine is thoroughly watered at the face of all the working places at night, whenever needed. A system that I would recommend in all mines that are piped for air. The coal is hauled to the bottom of the shaft by means of endless rope. The second opening meets the requirements of the mining laws. Safety powder is used exclusively and should be in all gaseous mines. Safety lamps are used exclusively. Competent shot firers are employed. Fire bosses are on duty day and night in the mine. This mine has a capacity of 2500 tons per day of nine hours. It is a beautiful mine and is well taken care of. Rules are posted. Blankets and stretchers are kept on hand at the mines. Maps are furnished promptly. Considerable explosive gas is given off in this mine.

N. J. STOCKTON, Supt.

MAX QUENON, Mine Foreman.

MARSH LEEPER, MIKE CAPLET, AND H. T. HALL, Fire Bosses.

GEORGES CREEK COAL & IRON CO.

Series No. 127. *Chatham Shaft No. 2 Mine*.—Located at Farmington, on the B. & O. R. R., Wheeling Division. It is now sunk to the lower or Pittsburgh coal and is used as an air intake for Chatham Shaft No. 1. It is also used for hoisting the men up and letting them down into No. 1 shaft workings. The Sewickley coal is operated in this shaft at a depth of 130 feet, but is not operated at the present time.

N. J. STOCKTON, Supt.

MAX QUENON, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 128. *Shaft Mine*.—This shaft mine is located one mile north of Fairmont, on the B. & O. R. R., Grafton and Wheeling Division. Depth of shaft 123 feet. Operating the Pittsburgh coal on the double entry system. Ventilation is produced by fan, and is good. Explosive gas is given off in this mine. Flameless powder is used. All shots are fired by competent shot firers. Open lights are used. The oil used in the mine for illuminating purposes was found to be good. Coal is mined by use of electric chain machines and hauled to shaft bottom by motors. Maps have been furnished this office. Blankets and stretchers are kept

at the mine. The second opening meets the requirements of the mining laws. This mine is being well taken care of at the present time.

J. J. BRENNAN, Supt.

S. R. FETTY, Mine Foreman.

C. E. SIDWELL,

WALTER GRIFFITH and

C. D. WERNER, Fire Bosses.

DAKOTA COAL & COKE COMPANY.

Series No. 129. *Dakota Shaft Mine*.—This mine is located two miles north of Fairmont, on the Paw Paw Branch of the B. & O. R. R. It is a shaft 90 feet deep, newly sunk, and is not yet in operation. It will in future operate Sewickley vein, which is of a very fine quality in this section, being six feet in thickness, or more. They will also operate the Pittsburg coal from the same shaft opening.

NEW CENTRAL COAL COMPANY.

Series No. 130. *Stafford Shaft Mine*.—This mine is located 9 miles north of Fairmont, on the Paw Paw Branch of the B. & O. R. R. It is operating the Pittsburg coal on the double entry system. It is a shaft mine 250 feet deep. Ventilation is produced by a fan, and is good. A large compressed air plant has been installed. All coal is mined by compressed air machines, and hauled to shaft bottom by compressed air locomotives. This system is highly satisfactory and should be adopted in all gaseous mines. A system of water lines are installed in this mine, and the mine is kept thoroughly watered, in order to prevent disaster from the highly explosive dust that is produced in this mine. Rules are posted. Blankets and stretchers are kept at the mine. Flameless powder is used. All shots are fired by competent shot firers. Fire bosses are on duty day and night. Considerable gas is given off in this mine, but the mine is well taken care of.

GEORGE S. PHILLIPS, Supt.

THOMAS GLEASON, Mine Foreman.

FEDERAL COAL & COKE CO.

Series No. 131. *Federal Shaft No. 1 Mine*.—This mine is located 8 miles north of Fairmont on Pawpaw Branch of the B. & O. R. R. It is 256 feet deep and is operating the Pittsburg vein of coal. Ventilation is produced by a fan, and is good. The coal has been mined by compressed air, and hauled to shaft by horses, but the company is putting in an electric plant at the present time. This plant is of the latest improved type, and all safety appliances so far discovered will be attached to it. At best I consider electricity a very dangerous thing in coal mines and its use should be prevented by the Legislature. This mine gives off considerable explosive gas. Flameless powder is used. All shots are fired by competent shot firers. Safety lamps are used exclusively. Rules are posted. The second opening meets the requirements of the mining laws. Blankets and stretchers are kept at the mines.

FRED C. LEWIS, Supt.

JOHN RUSSELL, Mine Foreman.

ROBERT DONLAN and HARRY LOCK, Fire Bosses.

PARKER RUN COAL & COKE CO.

Series No. 132. *Parker Run Mine.*—This mine is located near Rivesville, on the Monongahela River. It is a drift opening, operating the Sewickley coal. The coal is 6 ft. thick and of a very good quality. Ventilation is produced by a fan, and is good. Compressed air has been installed and all the coal is mined by compressed air machines. Some gas is given off in the mine. Open lights are used. The coal is hauled out by mules and delivered to river over an incline 200 feet long. Drainage is good. Powder is carried into the mine in 5 lb. cans. The second opening meets the requirements of the mining laws. Oil for illuminating purposes in the mine was found to be good. All the coal from this mine is delivered to market in boats, there being no railroad at this point. The mine is well taken care of and is in nice condition.

J. H. MARTIN, Supt.

W. C. MARTIN, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 133. *Murray Mine.*—This mine is located nine miles north of Fairmont on the Connellsville Branch of the B. & O. R. R. It is a drift mine operating the Pittsburg coal. Ventilation is natural, and is fairly good, as many of the headings are driven through the hill and air comes in at some ten places or more. Coal is mined by use of electrical chain machines, and hauled to tippie by endless rope. Maps have been furnished this office. Powder is carried into the mine in 5 lb. cans. The oil used in the mine was found to be of good quality. Drainage fairly good. Blankets and stretchers are kept at the mine. Rules were posted.

J. H. BRAINBRIDGE, Supt.

WM. HESS, Foreman.

CATAWBA COAL & COKE CO.

Series No. 134. *Catawba Mine.*—Located on the Connellsville Branch of the B. & O. R. R. Operating the Pittsburg coal. This mine is eight miles north of Fairmont. It is a new opening and has not yet come under the jurisdiction of the mining laws. It is idle at the present time.

PITTSBURG STEAM COAL CO.

Series No. 135. *Elizabeth Mine.*—This mine is located six miles north of Fairmont, on the Connellsville Branch of the B. & O. R. R. It is operating in the Pittsburg coal. Ventilation is natural. They are building a furnace at the present time. All coal is mined with picks. This is a new mine just being opened up. The coal is hauled out by horses and delivered to the railroad by an incline 180 feet long. Powder is carried into the mine in 5 lb. cans. The oil found in the mine was good. The second opening meets with the requirements of the mining laws. Rules were posted. Blankets and stretchers are kept at the mine. A map of this mine has been furnished this office.

JOSEPH BAILEY, Supt.

GRANT SWISHER, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 136. *Montana Mine.*—This mine is located five miles north of Fairmont on the Connellsville Branch of the B. & O. R. R. It is oper-

ating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. This mine has some bad roof but it is well timbered, and loose slate kept down and loaded out. This extra handling of slate adds to the cost of production. The coal is mined by electric chain machines and hauled out to bottom of slope by motors. It is delivered to tippie by being drawn up a slope a distance of 300 feet, by use of a rope. Rules were posted. Blankets and stretchers are kept at the mine. The oil in use in the mine was good. The second opening meets the requirements of the mining laws. Maps of this mine have been furnished this office, promptly. The mine is in good condition and well taken care of.

C. E. GASKILL, Supt.

HAYES GASKILL and

WM. GASKILL, Mine Bosses.

Series No. 137. *Gaston Mine*.—This mine is located two miles south of Fairmont on the M. R. Division of the B. & O. R. R. It is a drift mine, operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. Explosive gas is given off in different parts of this mine. Flameless powder is used. Shots are fired by competent shot firers. The coal is mined by electric chain machines, and hauled by motors. The second opening meets the requirements of the mining laws. The oil found in use in the mine was fairly good. Rules were posted. Blankets and stretchers are kept at the mines. Fire bosses are on duty day and night. The mine is kept clean and well taken care of, and is in good condition.

GEORGE GASKILL, Supt.

RALPH BROWN, Mine Foremen.

PETER McALENDER and

W. E. MYERS, Fire Bosses.

Series No. 138. *New England Mine*.—This mine is located 2 miles south of Fairmont on the M. R. Branch of the B. & O. R. R. It is a drift mine, operating in the Pittsburg coal, on the double entry system. Ventilation is produced by a fan, and is good. Drainage is fairly good. A shaft is being sunk at the present time in the interior of the mine for ventilating purposes. Water from the mine will be pumped out at this point also. The coal in this mine is under-cut by electric chain machines, and hauled out by motors. The second opening meets the requirements of the mining laws. Rules are posted. This mine gives off a small quantity of gas. Fire bosses are on duty day and night. Open lights are used. The oil used was found to be of a good quality. Blankets and stretchers are kept at the mine. The mine is well taken care of and is in good condition.

H. C. ASH, Supt.

B. G. ASH, Mine Foreman.

ROBERT DONLAN,

NATHAN MILLER,

THOMAS REGAN, Fire Bosses.

Series No. 139. *Monongah No. 6 Mine*.—Located six miles south of Fairmont, on the M. R. Branch of the B. & O. Railroad. It is a slope mine operating in the Pittsburg coal. This mine has seven main entries, leading into the interior of the mine. The room and pillar work is on the double entry system. A serious explosion occurred in this mine

December 6th, 1907, in which all of the men that were in the mine were killed. It is my opinion the disaster was caused by a trip of nineteen loaded cars breaking loose and running down a nine per cent. grade, more than one thousand feet, into the mine, wrecking at the bottom of slope, and coming into contact with the electric wires at that point. It is my opinion that in the absence of electricity this disaster would not have occurred. The mine was put in operation in forty-five days after the disaster. It is being operated on the same system as before the explosion. It is the best and most up to date mine in the state, and the disaster referred to as above can only be looked on as an accident that is liable to occur at any time under similar conditions. While the mine is taken care of as it has been by the present owners it will never be destroyed by any internal cause. Ventilation is produced by a fan and is good. Rules are posted. The second opening meets the requirements of the mining laws. Safety powder is used exclusively. Competent shot firers are employed. Fire bosses are on duty day and night. Blankets and stretchers are kept at the mine. A very small quantity of explosive gas is produced. Open lights are used. The oil in use is of a good quality.

A. J. RUCKMAN, Supt.

WM. JONES, Mine Foreman.
ED. BROWN,
JOHN HETRIC AND
WM. GASKILL, Fire Bosses.

Series No. 140. *Monongah No. 2 or No. 5.*—This mine is a drift mine in the Pittsburg coal. It is located six miles south of Fairmont on the M. R. Branch of the B & O. R. R. Ventilation is produced by two fans and is good. Drainage is good. The second opening meets the requirements of the mining laws. The mine is operated on the double entry system. Open lights are used. The coal from the Shaver mine is hauled through this mine by use of an electric motor. Rules are posted. Maps of this mine have been furnished promptly. The oil in use in the mine was of good quality. Blankets and stretchers are kept at the mine.

A. J. RUCKMAN, Supt.

ELZA LEVEL, Mine Foreman.

Series No. 141. *Shaver Mine.*—This mine is located six miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine, operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan, and is good. Drainage is good. The coal in this mine is mined by electric chain machines, and hauled out by motors. Black powder is used and men fire their own shots. Open lights are used. Rules are posted. The oil found in use was fairly good. Timbering good. Maps of this mine have been furnished this office, promptly. Blankets and stretchers are kept at the mine. The coal from this mine is hauled through No. 2 or No. 5, as it is now numbered.

A. J. RUCKMAN, Supt.

ELZA LEVEL, Mine Foreman.
PATRICK COSTOLO, Asst. Mine Foreman.

Series No. 142. *Monongah No. 8 Mine.*—Monongah Mine No. 8, is located 7 miles south of Fairmont on the M. R. Branch of the B. & O. Railroad.

It is a drift mine operating the Pittsburg coal. Seven parallel main entries are driven to the interior of this mine. The room and pillar work is on the double entry system. A serious explosion occurred in this mine on December 6, 1907, in which all the men in the mine lost their lives, except five men. This explosion was in connection with the disaster at No. 6 mine of the same date, the two mines being connected near their centers by three parallel entries, containing an area of seventy feet each. The mine was put in operation forty-five days after the disaster, and has been in operation ever since. This is a beautiful mine and one among the best in the state, and will never be destroyed by an explosion from the interior, as long as it is managed as it is by the present owners. Ventilation is produced by a fan, and is good. Drainage is good. The second opening meets the requirements of the mining laws. Flameless powder is used exclusively in this mine. All shots are fired by competent shot firers. Fire bosses are on duty day and night. Maps have been furnished this office. Rules are posted. Blankets and stretchers are kept at the mines. A small quantity of explosive gas is given off in this mine. Open lights are used. The oil found in use in this mine was of good quality.

A. J. RUCKMAN, Supt.

PERRY VERNON, Mine Foreman.

JOHN HALL.

S. J. BOYDOH AND

J. J. GATTAN, Fire Bosses.

Series No. 142-A. *Old Anderson Mine*.—Old Anderson Nichol's farm mine. Abandoned, not in operation this year.

Series No. 143. *Pennois Mine*.—This mine is located seven miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine, operating the Pittsburg coal. Ventilation is produced by a fan and is good. Drainage is good. All coal is mined with picks. The second opening meets the requirements of the mining laws. Coal is hauled out with mules. This is a nice mine and is well taken care of. The coal is produced cheap. Rules were posted. The oil in use in this mine was good. Open lights are used. Blankets and stretchers are kept at the mine. Maps of this mine have been furnished this office.

RUSH MILLER, Supt.

JOHN RIGGINS, Mine Foreman.

HARRY B. COAL COMPANY.

Series No. 144 *Harry No. 1 Mine*.—Little Harry No. 1 Mine is located 10 miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine operating the Pittsburg coal. Ventilation is produced by a fan, and is good. Drainage is good. The second opening meets the requirement of the mining laws. The coal in this mine is of a good quality, being low in sulphur at this particular point. Rules are posted. Blankets and stretchers are kept at the mine. Powder is carried into the mine in 5 lb. cans. The oil in use was found to be good. A map of this mine has been furnished to this office. All coal is mined with picks and hauled to tipple by horses.

HARRY B. CLARK, Supt.

GEORGE COBURN, Mine Foreman.

Series No. 145. *Harry No. 2 Mine*.—Is located on the M. R. Branch of the B. & O. R. R., 10 miles south of Fairmont. It is a drift mine, operating the Pittsburg coal. The coal is of a splendid quality at this particular point, being very low in sulphur. Ventilation is produced by a furnace, and is good. Drainage is good. All powder is carried into the mines in 5 lb. cans. The oil in use was found to be good. All coal is mined with picks and hauled to the tippie by horses. A map of this mine has been furnished this office. Blankets and stretchers are kept at the mine. Open lights are used. All miners fire their own shots. Black powder is used for blasting coal.

HARRY B. CLARK, Supt.

GEORGE COBURN, Mine Foreman.

KILLARM COAL & COKE CO.

Series No. 146. *Killarm No. 2 Mine*.—This mine is located 10 miles south of Fairmont on the M. R. Branch of the B. & O. R. R. It is a drift mine operating the Pittsburg coal. Ventilation is produced by a furnace and is fairly good. Drainage is good. All coal is mined with picks and hauled to the tippie by horses. Black powder is used for blasting. The miners fire their own shots. Open lights are used. Some bad oil was found in use in this mine. I had the guilty parties arrested. Rules were posted. The second opening meets the requirements of the mining laws. Blankets and stretchers are kept at the mines. Maps have been furnished this office.

C. E. ZEEK, Supt.

D. A. WILSON, Mine Foreman.

Series No. 147. *Killarm No. 1 Mine*.—Killarm Mine No. 1 is located 10 miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine operating the Pittsburg coal, on the double entry system. Ventilation is produced by a fan and is not good. The roof in the mine is not good, being of a soft nature and slacks when the air comes in contact with it. The mine is troubled with some bad faults that nearly cuts the coal out in some sections of the mine. It is my opinion that this mine will have to be abandoned. All coal is mined with electric chain machines and hauled out by electric motors. Rules are posted. Maps have been furnished this office. Blankets and stretchers are kept at the mine. The second opening meets the requirements of the mining laws. Powder is carried into the mine in 5 lb. cans. The oil in use is good.

C. E. ZEEK, Supt.

D. A. WILSON, Mine Foreman.

Series No. 148. *Anderson Mine*.—Anderson Mine is located eight miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine, operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. The second opening meets the requirements of the mining laws. Rules are posted. Blankets and stretchers are kept at the mine. Maps of this mine have been furnished this office. All powder is carried into the mine in 5 lb. cans. The oil used is of a good quality.

RUSH MILLER, Supt.

MILTON COBURN, Mine Foreman.

Series No. 149. *Highland Mine*.—Highland Mine is located eight miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. The second opening meets the requirements of the mining laws. The coal is mined by electric chain machines and hauled out by motors. Rules are posted. Blankets and stretchers are kept at the mine. Black powder is used for blasting the coal. All powder is carried into the mine in five pound cans. The oil used is of a good quality. Maps of this mine have been furnished this office.

RUSH MILLER, Supt.

JOHN PRUNTY, Mine Foreman.

Series No. 150. *Middleton Mine*.—Middleton Mine is located eight miles south of Fairmont, on the M. R. Branch of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. The coal in this mine is mined by use of electric chain machines, and hauled out by motors. All powder is carried into the mine in 5 lb. cans. The second opening meets the requirements of the mining laws. The oil used for illuminating purposes was found to be good. Rules are posted. Blankets and stretchers are kept at the mine. Maps of this mine have been furnished this office promptly.

RUSH MILLER, Supt.

BLAND COURTNEY, Mine Foreman.

Series No. 151. *Chiefton Mine*.—Chiefton Mine is located six miles south of Fairmont on the M. R. Branch of the B. & O. R. R. It is a drift mine operating on the double entry system. Ventilation is produced by a fan and is good. The second opening meets the requirements of the mining laws. On my first visit to this mine I found the cross cut very irregularly driven, and the timbering in an unsatisfactory condition. The mine according to my judgment, is in a very good condition at the present time. I found some bad oil being used by some Foreigners in the mine. I had the merchant arrested who sold them the inferior oil. Rules were posted. Blanks and stretchers are kept at the mine. All powder is carried in the mines in 5 lb. cans. Maps of the mine had been furnished this office. The Pittsburg coal is operated at this mine. The coal is mined by electric chain machines.

RUSH MILLER, Supt.

L. E. HENDERSON, Mine Foreman.

Series No. 152. *Hutchinson Mine*.—Located 13 miles south of Fairmont on the M. R. Branch of the B. & O. R. R. It is a slope mine in the Pittsburg coal. Operated on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. A new air shaft 50 feet deep has been sunk at this mine. Size of air shaft 8 by 8 feet. A new fan has been erected giving splendid results. The coal is mined by use of electric machines and hauled to bottom of slope by horses. It is delivered to the tippie by being drawn up a slope 240 feet by use of a rope. This is a nice mine and it is well taken care of. Rules are posted. Blankets and stretchers are kept at the mine. Pow-

der is carried into the mine in 5 lb. cans. The oil was found to be of a good quality. Maps of the mine have been furnished this office.

BROOKS FLEMING, Supt.

THOMAS BURLUCK, Mine Foreman.

VIRGINIA & PITTSBURG COAL & COKE COMPANY.

Series No. 153. *Kingmont Mine*.—Is located six miles east of Fairmont, on the B. & O. R. R. It is a drift mine, operated on the double entry system, in the Pittsburg coal. Ventilation is produced by a fan and is good. Drainage is good. This mine has a capacity of 2,000 tons per day. All coal is mined with picks and is produced much cheaper than where machines are used in mines of same capacity. The coal is delivered to tipple by means of tail rope. Rules are posted. Blankets and stretchers are kept at the mine. All powder is carried into the mine in 5 lb. cans. Some bad oil was found in use in this mine. One of the guilty parties was arrested. Maps of this mine have been furnished. This is a beautiful mine, and well taken care of. The coal is of a splendid quality.

JOHN BROWN AND

R. M. HITE, Supt.

WM. JARRETT, Mine Foreman.

POWELL COAL & COKE COMPANY.

Series No. 154. *Powell Mine*.—Powell mine is located on the B. & O. R. R. about twelve miles east of Fairmont. It is opened in the upper Freeport and Kittanning seams of coal. It has not been in operation this year.

SECOND DISTRICT.

GENERAL SUMMARY OF THE SECOND MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.								Production of		
			Inside.					Outside.			Coal.	Coke	
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	Sum Totals.	(Tons of 2,240 lbs.)	(Tons of 2,000 lbs.)
Harrison.....	65	14	827	1,205	314	880	3,226	587	6	593	3,819	3,168,042	1,092
Lewis.....	1	3	6	20	6	6	38	10	10	10	48	22,640	.....
Upshur.....	5	...	65	16	10	20	111	14	14	28	139	76,773	4,010
Totals.....	71	17	898	1,241	330	906	3,375	611	20	631	4,006	3,267,455	5,102

OFFICE OF SECOND DISTRICT MINE INSPECTOR,
CLARKSBURG, W. VA., September 10th, 1908.

HON. JAS. W. PAUL.

Chief of the Department of Mines,
Charleston, West Virginia.

DEAR SIR:—In compliance with law I herewith respectfully submit to you my annual report as inspector of the Second District of West Virginia for year ending June 30th, 1908.

This District is composed of the following counties, viz:—Doddridge, Lewis, Harrison, Ritchie, Upshur and Webster and includes all the mines in their borders; the coal operations in this district however are confined to four of the above named counties as follows Harrison county leads with 71 openings, all but one of which are openings of the celebrated Pittsburg seam, the one exception is the Fulmer No. 1 Mine near Jane Lew, which is operating the Red Stone vein, which for commercial value is said to be equal to that of the Pittsburg vein and by some it is claimed to be its superior for steaming purposes.

Upshur has 5 operations, four of which are operating the red stone vein. The fifth or Florence Mine near Adrian on the Coal & Coke Railroad reports to the inspector that they are mining the vein known as the Masontown, but there appears to be a diversity of opinion between them and State Geologist White who informed the writer that they were operating the Upper Freeport vein, the natural conditions at this mine are ideal for cheap mining.

Lewis County has one operating mine with three openings, only one of which is producing coal at this time. These openings are reported to the inspector as being in the Pittsburg vein.

Ritchie County has but one operation at this time, but could not properly be classed as a coal mine as the product was found in a vertical rift in the mountain and it is an asphaltic substance and is at the present time being mined on a small scale and shipped to the North West where it is refined and used principally for the manufacture of paints and varnish, and will not be mentioned in this annual report, as producing any coal.

Almost the entire area of the above named counties which compose the Second Mining District of West Virginia are underlaid with Bituminous veins of coal ranging from $3\frac{1}{2}$ to 9 feet in thickness which are very valuable for domestic and coking purposes.

I have in the discharge of my official duties in this district, met with but little resistance on the part of operators and miners to the full compliance and operation of the present State Mine Law. In a few cases, however, I have been compelled to be very rigorous in my demands, which resulted in a compliance with the law, without having to resort to legal proceedings. The obstinacy spoken of was quite often a misunderstanding of the meaning of the law, and usually of small importance, the present law is sufficient to meet all the conditions in the second district at this time, if fully observed by the operators and miners.

Office and clerical duties take up a considerable portion of my time, as my correspondence is exceedingly large in addition to the reports required by law, while it is a fact that the law does not require the inspector to keep up the correspondence which he does, yet in order to enjoy the respect, esteem and confidence of the miners, mine managers and operators, which the writer feels that he does, it is absolutely necessary that he do so.

Also the number of mines and the size of the developments in this district is quite an obstacle to me, rendering the most efficient service, as quite a number of them require from two to four days to make a satisfactory inspection.

The majority of fatal accidents which happen in this district are caused by falls of roof, as the Pittsburg vein in most cases is overlaid by a strata of either soap stone, fire clay or draw slate, which ranges from six inches to 28 feet in thickness, and requires careful attention as to timbering, &c., especially so when all of the coal is removed, leaving the overlying strata exposed to the air in which case it disintegrates very rapidly, and if not taken down and removed or carefully timbered it is a constant menace to the lives of the workmen, the method of improperly placing of shots, the excessive use of explosives, and pillar mining are also very prolific of accidents, the most of which could be prevented by using more time, timber and judgment.

The most dangerous element which is found in the mines of this district is coal dust which is prevalent in quite a number of the mines, the inspector has used very rigorous insistence that all accumulations of fine dust be removed from the mine and all dry sections be kept thoroughly

watered by hose or other wetting devices (other than wetting with buckets which does not meet with his approval). Am glad to report that my efforts have met with hearty response in most cases, as quite a large percentage of the mines in the district have equipped for their use, electric or compressed air pumps with hose and also rotary spray which attached to water cars, they are able to run into all the dry rooms and working places in the mine and wet them in a very satisfactory way.

The mine foremen in this district as a rule are thoroughly practical and it is a question in my mind whether it would increase the efficiency any to require them to undergo a written examination as to their competency, as has been enacted in Pennsylvania and other states, an oral examination conducted along practical lines and only terms used that would be easily understood by any practical coal miner I think would be much better, as I have had much experience and intercourse with the mine foremen of this state and state of Pennsylvania and I find that the foreman who got his knowledge of mining under ground is far superior to the one who owes his to technical training. I do not wish to be understood as opposed to a mining education such as a course in the Scranton school as I think such a course is of great value to a practical man but almost useless to one without practical experience, and the law requiring the examination of mine foremen such as Pennsylvania now has conducted along the same line would cause a large number of our most efficient foremen to lose their jobs (unless there was an experience clause) not on account of lack of knowledge of the subject but that they could not understand the terms used and would not be able to work out in a mathematical way the exact H. P. of engines, pumps, boilers, &c., from dimensions given, but would be able to walk into the mine and look at a certain body of water and tell exactly what kind of a pump to install to most effectually handle the water, or the kind of boilers, engines, &c., to install to do a given amount of work.

There has been a great deal of improvements made in and around the mines during the year ending June 30th, 1908; also several new mines have been opened and are shipping, which will be detailed to you under conditions of mines.

In conclusion I wish to thank the miners, Mine Managers, and Operators of this District for the courteous treatment received at their hands, and for prompt and cheerful compliance with recommendations, for their cooperation with me in the enforcement of the law and wish to assure them one and all that their kind treatment is fully appreciated by me and they have my well wishes for their future prosperity.

I desire to thank you for able advise and assistance promptly rendered.

Respectfully,

FRANK E. PARSONS,

Second District Mine Inspector.

The last two series numbers indicate the Inspectors number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz.: 210 indicates the second district and number 10 mine.

CONDITION OF THE MINES IN THE SECOND DISTRICT.

HARRISON COUNTY.

FAIRMONT COAL CO.

Series No. 201. *Enterprise Mine, Pittsburg Seam, Slope.*—This mine is located 19 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. It is opened up on the triple entry system and is ventilated by a 20' Capell Fan. The ventilation is good throughout the workings, no gas has ever been discovered in this mine, the top is fairly good throughout the workings. In some sections, however, it requires very careful timbering, which is being done by the management and the loose and overhanging slate is being promptly taken down and removed. The coal is being undercut by electric machine, and is being hauled to the tippie by electric motors, this mine fully meets with the requirements of the State Mine Law; this mine was reported last year as Enterprise Mine, No. 89 of the printed report.

H. H. WATSON, Supt.

THOS. SMITH, Mine Foreman.

H. C. ICE, Asst. Supt.

Series No. 202. *Melrose Mine, Pittsburg Seam, Drift.*—This mine is located 18½ miles north of Clarksburg on the M. R. Div. of the B. & O. R. R. It has not been in operation during the past year.

H. H. WATSON, Supt.

H. C. ICE, Asst. Supt.

Series No. 203. *Viropa Mine, Pittsburg Seam, Drift.*—This mine is located eighteen miles north of Clarksburg on the M. R. Division of the B. & O. R. R. The ventilation is produced by a 10 foot Electric Fan and is very good throughout the mine workings. The fan has been recently installed, and is highly efficient for its size; the roof is fairly good throughout the workings. No head coal is maintained which makes it necessary to keep a force of slate men for the purpose of taking down and removing the overlying draw slate, which insures the safety of the workmen. Drainage is fairly good, no gas is found, the stoppings along main entry are constructed with concrete, which insures good ventilation to the working places.

This mine was reported last year as Viropa Mine, No. 90 of the printed report. With the present development and equipment and a full force of men this mine is capable of producing 1500 tons daily.

H. H. WATSON, Supt.

FLOYD GANDY, Mine Foreman.

H. C. ICE, Asst. Supt.

GEO. WINTERS, Asst. Mine Foreman.

Series No. 204. *Riverdale Mine, Pittsburg Seam, Drift.*—This mine is located 17 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. Ventilation is produced by a 7 foot Stine Fan which is fairly good although it will take quite an expenditure of money in construction of more serviceable stoppings before the ventilation will be perfect; the drainage is only fair, by reason of local conditions. The top, in some sections of the mine is extremely good, while in other sections dangerous

and requires careful timbering. No gas has ever been discovered. This mine fully complies with the State Mine Law.

This mine was reported last year as 107 of the printed report. With a full force of men with the present development this mine is capable of producing 700 tons daily.

H. H. WATSON, Supt.

SAMUEL LEWIS, Mine Foreman.

HARRY HIGGINBOTHAM, Asst. Supt.

VIRGINIA-MARYLAND COAL CORPORATION.

Series No. 205. *Willard No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located $17\frac{1}{2}$ miles north of Clarksburg on a branch of the M. R. Division of the B. & O. R. R. It is opened on double entry system and the ventilation is produced by a 6 foot steam fan and is fairly good throughout the workings, by reason of the maintenance of top coal throughout the top is exceedingly good. Drainage also very good. This mine was reported last year as Willard No. 1, 2, 3; 142 of the printed report.

With a full force of men and the present mine development this mine is capable of producing 200 tons daily.

A. L. WHITE, Supt.

ELI MORRIS, Mine Foreman and Asst. Supt.

Series No. 206. *Willard No. 2 Mine, Pittsburg Seam, Drift.*—This mine is located $17\frac{1}{2}$ miles north of Clarksburg on a branch of the M. R. Div. of the B. & O. R. R. It is opened up on the double entry system. The ventilation for the present is produced by a fire basket, which is only fair throughout the workings. There never has been more than four workmen found on the inside of this mine, engaged in mining coal since its development, but considerable development has been made as it has been shipping coal for some time. It is capable of producing with a full force of men 100 tons daily. This mine was reported last year as Willard Nos. 1, 2 & 3, No. 142 of the printed report.

A. L. WHITE, Supt.

ELI MORRIS, Mine Foreman and Asst. Supt.

Series No. 207. *Ehlen No. 3 Mine, Drift, Pittsburg Seam.*—This mine is located $15\frac{1}{2}$ miles north of Clarksburg on the M. R. R. Div. of the B. & O. R. R. It is opened up on the double entry system, the ventilation is produced by a 10 foot steam fan curved blade pattern, direct connected which is fairly good throughout the working section of the mine, which is at present under state of development. The roof is only fair, being overlaid with draw slate which requires careful attention, in taking down and removing, is being carefully timbered. No gas has ever been found; the stoppings along main headings are constructed with concrete. The coal from this mine is being hauled through a section of No. 1 Mine by means of an electric motor and is undercut by electric machines. It is loaded on board of R. R. cars over No. 1 tippie.

This mine was reported last year Shinn's Run No. 3 mine. No. 92 of the printed report.

THOS. JARRETT, JR., Supt.

ED. McOLVIN, Mine Foreman.

CHARLES WATKINS, Asst. Supt.

Series No. 208. *Ehlen Mine, Pittsburg Seam, Drift.*—This mine is located $15\frac{1}{2}$ miles north of Clarksburg on the M. R. R. Div. of the B. &

O. R. R. Ventilation is produced by a 12-foot Crawford & McCrimmon fan with steam connections, and is fairly good throughout the mine workings. The roof is rather bad requiring careful attention and a force of slate men are kept for this purpose. Small quantities of gas has been discovered in advance workings which is being well taken care of by means of concrete and wooden stoppings. The drainage is only fair, in some sections of this mine some standing water was found on date of last visit. This mine, however, fully complies with the State Mine Law. This was reported last year as Ehlen Mine, No. 91 of the printed report.

THOS. JARRETT, JR., Supt.

ED. McOLVIN, Mine Foreman.

CHARLES WATKINS, Asst. Supt.

Series No. 209. *Solon Mine, Pittsburg Seam, Drift.*—This mine is located $15\frac{1}{4}$ miles north of Clarksburg on the M. R. R. Div. of the B. & O. R. R. It is opened up on the triple entry system, and the ventilation is produced by a 15 foot fan with steam connections, and is fairly good throughout the mine workings. Some gas is found in advance working sections of the mine. The roof is fair, but requires careful attention which is being done by the management. This mine is inclined to be dusty during the winter season, but the management has equipped a sprinkling device for use in the mine which gives very satisfactory results.

This mine was reported last year as Solon Mine No. 94 of the printed report.

THOS. JARRETT, JR., Supt.

OLIVER BUSH, Mine Foreman.

CHARLES WATKINS, Asst. Supt.

Series No. 210. *Harbert Mine, Pittsburg Seam, Drift.*—This mine is located $12\frac{1}{2}$ miles north of Clarksburg on the M. R. R. Div. of the B.

O. R. R. and is under the same management and practically the same conditions exist, on the inside as in the Gypsy Mine as it is connected underground with the Gypsy Mine, the coal being hauled and dumped over the Gypsy Tipple. The coal is undercut with Electric Chain Machines and hauled by electric motors. The roof is fair throughout, the timbering is good, ventilation is produced by a 7 foot Stine Fan. The law is fully complied with. This mine was reported last year as Harbert, No. 96 of the printed report.

C. F. ICE, Supt.

BURT RUSSELL, Mine Foreman.

F. E. GIRARD, Asst. Mine Foreman.

Series No. 211. *Gypsy Mine, Pittsburg Seam, Drift.*—This mine is located 12 miles north of Clarksburg on the M. R. R. Div. of the B. & O. R. It is opened up on the triple entry system, the ventilation is produced by a 20-foot Capell fan and is exceedingly good throughout that section of the mine that is now working. The top is fair, and timbering is well looked after. The coal is undercut and hauled by electric power. Drainage is fairly good. A small quantity of explosive gas found in advance workings, well taken care of by means of serviceable concrete and wooden stoppings.

This mine was reported last year as Gypsy, No. 95 of the printed report.

C. F. ICE, Supt.

BURT RUSSELL, Mine Foreman.

LUTHER KING, Asst. Mine Foreman.

Series No. 212. *Maulsby Mine, Pittsburg Seam, Drift.*—This mine is located 11 miles north of Clarksburg on the M. R. R. Division of the B. & O. R. R. and has not been in operation during the past year.

This mine was reported last year as Maulsby Mine, No. 97 of the printed report.

C. F. ICE, Supt.

Series No. 213. *Meadowbrook No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located 9 miles north of Clarksburg on the M. R. R. Div. of the B. & O. R. R. The ventilation is produced by two fans, one being 7-foot Stine propelled by electricity, the other being 10-foot Crokford-McCrimmon with steam connections. The ventilation throughout this mine was good on date of last visit. All other conditions inside the mine was very satisfactory as far as State Mine Law is concerned. No gas is found. The top by reason of the maintenace of head coal throughout is good. Drainage fair.

This mine was reported last year as Meadowbrook Mine, 98 of the printed report.

P. B. ROBINSON, Supt.

C. D. POWELL, Mine Foreman.

Series No. 213. *Meadowbrook No. 2 Mine, Pittsburg Seam, Drift.*—This mine is located 9 miles north of Clarksburg on the M. R. R. Div. of the B. & O. R. R. The ventilation is connected underground with the No. 1 Mine and also very excellent, natural ventilation is found in a large portion of the mine, the coal is undercut and hauled by electricity. The top is fairly good by reason of maintenance of head coal. Drainage is fair, no gas is found. This mine fully complies with the state mine law and has always been found in a satisfactory condition.

This mine was reported last year as Meadowbrook No. 2 Mine No. 99 of the printed report.

P. B. ROBINSON, Supt.

C. D. POWELL, Mine Foreman.

COOK COAL & COKE CO.

Series No. 214. *Girard No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located 9 miles north of Clarksburg on the M. R. Div. of the B. & O. R. R. It is opened up on the double entry system; the ventilation which is produced by a nine-foot Stine fan with steam connections is fairly good throughout. The top is good throughout the mine workings, timbering is being carefully looked after. Drainage is only fair. The average thickness of the vein is about 8' 4" and the conditions for removing the pillar coal is exceedingly good as the overlying strata is very firm. With a full force of men and the present development this mine is capable of producing 800 tons daily. This mine was reported last year as Girard No. 1, No. 116 of the printed report.

M. MADDOX, Supt.

EDWARD WORCESTER, Mine Foreman.

Series No. 215. *Girard No. 2 Mine, Pittsburg Seam, Drift.*—This mine is located 9 miles north of Clarksburg on the M. R. Div. of the B. & O. R. R. It is opened up on the double entry system, ventilation is produced by a ten-foot Crawford & McCrimmon fan with electric connections and is fairly good, though the speed of the fan by reason of the connections is very slow producing only from 15 to 20,000 cu. ft. of air P. M. which would be inadequate to ventilate the mine in case the development should be extended to any thing near that which they anticipate doing. It will therefore be necessary for them to procure and install a much larger fan in the very near future at this plant, as they have a large acreage which must be worked out at this opening. The coal is hauled by means of an electric motor through No. 1 Mine and dumped over No. 1 Tipple. The coal is undercut by means of electric machines similar to those in No. 1 Mine

This mine was reported last year as Girard No. 2 Mine, No. 117 of the printed report. This mine is capable of producing 250 tons daily.
M. MADDUX, Supt. ERWARD WORCESTER, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 216. *Globe Mine, Pittsburg Seam, Drift.*—This mine is located $6\frac{1}{2}$ miles north of Clarksburg on the M. R. R. Division of the B. & O. R. R. It is opened up on the double entry system, the ventilation is produced by a 7 foot Stine fan, with electric connections and has always been found good. The roof is good throughout the mine workings, they maintain head coal along their main entries, and carefully timber their rooms. Drainage is in fair condition. The water being handled principally by pumps. The coal is undercut and hauled by means of electricity. The power is procured from the Fairmont & Clarksburg Traction Company to run all their machinery. This mine was reported last year as Globe Mine, No. 100 of the printed report. With a full force of men and the present development this mine is capable of producing 800 tons daily.

P. J. McANDREWS, Supt. and Mine Foreman.

Series No. 217. *Farnum Mine, Pittsburg Seam, Drift.*—This mine is located $6\frac{1}{4}$ miles north of Clarksburg on the M. R. R. Div. of the B. & O. R. R. And it is an opening in the Pittsburg seam which has not been in operation for several years. Also 22 idle coke ovens are found at this plant of the Bee Hive type. The company anticipates the removal of all coal from this mine through the Globe opening, the adjoining property to this mine.

P. J. McANDREWS, Supt. and Mine Foreman.

Series No. 218. *Glen Falls Mine Pittsburg Seam, Drift.*—This mine is located $5\frac{1}{2}$ miles north of Clarksburg on the M. R. R. Division of the B. & O. R. R. It is an opening in the Pittsburg Seam but has not been in operation during the past year.

LUKE MURRAY, Supt.

Series No. 219. *Dunham Mine, Pittsburg Seam, Drift.*—This mine is located 5 miles north of Clarksburg on the M. R. R. Division of the B.

& O. R. R. The ventilation is produced by a 12 foot Crawford & McCrimmon fan with electric connection, and has always been found good throughout the mine workings. The roof is only fair being draw slate and when exposed to the air disintegrates. But timbering is carefully looked after, however, and the safety from that stand point is reasonably good. The coal is undercut and hauled to the tippie by electricity. Drainage is fairly good; conditions in and around this mine from the stand point of State Mine Law was found satisfactory on date of last visit. This mine was reported last year as Dunham Mine No. 101 of the printed report. With a full force of men and the present development this mine is capable of producing 1000 tons daily.

LUKE MURRAY, Supt.

WALTER MILLER, Mine Foreman.

CLARKSBURG FUEL CO.

Series No. 220. *Fall Run Mine Pittsburg Seam, Drift.*—This mine is located 3 miles north of Clarksburg on the M. R. R. Division of the B. & O. R. R. It is opened up on the double entry system; the ventilation is produced by a 7 foot Stine fan with electric connections and on date of last visit was found to be in much better condition than on any of my former visits, as the fan is highly efficient. The power is procured from the Fairmont and Clarksburg Traction Company. The coal is undercut and hauled by electricity. The top is draw slate which when exposed to the air disintegrates rapidly, this however is taken down and removed from the mine when discovered to be loose, and general safety from this standpoint is considered by the inspector to be reasonably good. The rooms and working places are well timbered. The drainage is fairly good throughout the workings. The mine on date of last visit was found in satisfactory condition, as far as State Mine Law is concerned; some recommendations were made, however, as to the construction of more serviceable stoppings along haulways. This mine was reported last year as Fall Run, No. 82 on the printed report. With the present development, and a full force of men this mine is capable of producing 1200 tons daily.

LUKE MURRAY, Supt.

E. G. VINCENT, Mine Foreman.

CORONA COAL & COKE CO.

Series No. 221. *Harold Mine, Pittsburg Seam, Drift.*—This mine is located 2 miles north of Clarksburg on the M. R. R. Division of the B. & O. R. R. It is opened up on the double entry system ventilation which is produced by 5 foot electric Stine fan is only fairly good, and it is doubtful in the opinion of the inspector if this fan will be sufficient to properly ventilate this mine for future development which is projected on the blue print furnished him. The top is fairly good, head coal being maintained throughout the mine workings, other than in some sections of the mine there has been some of the overlying coal removed showing the top to be of draw slate which would have to be carefully timbered in case the top coal should be removed throughout the workings. The water in the mine is handled by means of an electric pump which makes it very sanitary from a drainage standpoint. The coal is undercut and

hauled to the drift mouth by electricity furnished by the Fairmont & Clarksburg Traction Company. The voltage in this mine is 500 which is considered by the inspector to be in excess of what is needed, and also a source of danger, much insistence has been used by the inspector for the current to be reduced at this mine. The timbering in some of the rooms needed attention on date of last visit. This mine was reported last year as Harold, No. 131 of the printed report. With a full force of men and the present development this mine is capable of producing 700 tons daily.

ED. CLINGAN, Supt. and Mine Foreman.

CLARKSBURG FUEL CO.

Series No. 222. *Pinnickinnick Mine, Pittsburg Seam, Drift.*—This mine is located 1 mile east of Clarksburg on the Parkersburg Branch of the B. & O. R. R. and is opened up on the double entry system. The ventilation which is produced by a 16-foot Helmick fan is fairly good throughout the mine workings, the top is of rather a dangerous character being a draw slate which disintegrates rapidly when exposed to the air and requires careful timbering, also to be taken down and removed when discovered to be loose, as immediately over the draw slate is what is known to the miners as the checker rock, which is exceedingly good. The coal is undercut by electricity and hauled by the same power to the junction on the inside where by means of endless rope it is hauled up the plane to the tippie where it is dumped into the car. The timbering is being carefully looked after along the haulways but in some of the rooms and working places, it needed attention on date of last visit. The drainage has been greatly improved during the past year by the Company going to the expense of digging two sumps 135' long, 10' wide 7' deep. These sumps are located in a basin which was shown by the elevation to be the lowest point in the development and two electrical driven centrifugal pumps of a capacity of 1200 gallons per minute each were connected thereto. This is the most complete pumping station found on the inside of any of the mines of the Second District. This mine was reported last year as Pinnickinnick No. 81 of the printed report. And with the present development and equipment this mine is capable of producing 1800 tons daily.

J. H. NUZUM, Supt.

THOS. POLLARD, Mine Foreman.

L. E. DORSEY, Asst. Mine Foreman.

CENTRAL FAIRMONT COAL COMPANY.

Series No. 223. *Moore Mine, Pittsburg Seam, Drift.*—This mine is located $1\frac{1}{2}$ miles from Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced at the present time by a fire basket, was on date of last visit deemed inadequate by the inspector to properly ventilate the development, and recommendations were made to install a fan of sufficient efficiency to properly ventilate the mine, the General Manager gave me the assurance that this would be done as soon as arrangements could be made with the Fairmont and Clarksburg Traction Co. and that he

would at once see to it that a furnace be constructed with sufficient grate area to improve the ventilation in the meantime. Drainage is only fair in this mine being natural throughout. The top is draw slate and rather bad in some sections, which requires careful attention which is being fairly well taken care of. The coal is undercut by pick and hauled to the tippie by mules. This mine was reported last year as Moore Mine No. 136 of the printed report. With a full force of men and with the present development this mine would be capable of producing 400 tons daily.

FRED HOWARD, Supt.

A. G. HILBERT, Mine Foreman.

VINCENT COAL CO.

Series No. 224. *Vincent Mine, Pittsburg Seam, Drift.*—This mine is located $1\frac{3}{4}$ miles east of Clarksburg on the Parkersburg Branch of the B. & O. R. R. and is opened up on the double entry system. The ventilation which is produced by a furnace and has always been found ample by the inspector, drainage in the right hand section of the mine at the present is rather bad, but they are cutting out for the purpose of making natural drainage, when completed this will make the drainage in this section of the mine good, in other sections of the mine the drainage is good. Head coal is maintained and the top is good. Timbering is being carefully looked after. The coal is undercut by pick and hauled to the incline by mules where it is lowered by traction plane to the tippie. This mine was reported last year as Vincent No. 138 of the printed report. With the present development and equipment and a full force of men this mine is capable of producing 350 tons daily.

VINCENT GOCKE, Supt.

GRANT WHITE, Mine Foreman.

CLARKSBURG FUEL CO.

Series No. 225. *Despard Mine, Pittsburg Seam, Drift.*—This mine is located $1\frac{3}{4}$ miles from Clarksburg on the Parkersburg Branch of the B. & O. R. R. And is at the present time being operated on a small scale, the coal being undercut by pick and hauled to the tippie by horses, but in the very near future it will be made one of the up to date mines of the region, with the very latest electrical equipment and devices for cutting and hauling the coal, and ventilating the mine, it is opened up on the double entry system. The ventilation at present is natural, conditions being very favorable to natural ventilation by reason of the main entry being driven through the hill, allowing the air to pass through. This mine was reported last year as Despard No. 88 of the printed report. With the present development and equipment this mine is capable of producing 100 tons daily but when the improvements are made which the company have at the present a large force of men making, the production will be much greater.

A. W. RAPP, Supt.

G. H. BROOKS, Mine Foreman.

FAIRMONT COAL CO.

Series No. 226. *Columbia Mine, Pittsburg Seam, Drift.*—This mine is located 2 miles east of Clarksburg on the Parkersburg Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a 16-foot Crawford & McCrimmon curved blade

fan, was always found to be sufficient and sanitary. The overlying strata is draw slate and is rather above the average in firmness. Head coal is maintained in a few of the working places, in a large number of the places all the coal is taken down and removed, timbering is well looked after, stoppings along main entries are constructed of concrete and are very serviceable, the drainage is fair, water being handled principally by pumps. The coal is mined by compressed air machines of the puncher type and is hauled to the Junction on the inside by mules, from thence it is taken up plane to tippie by means of head and tail rope, this mine fully complies with the State Mine Law and was reported last year as Columbia Mine, No. 105 of the printed report. With a full force of men and the present development this mine is capable of producing 1200 tons daily.

A. W. RAPP, Supt.

MIKE ROONEY, Mine Foreman.

Series No. 227. *Ocean Mine, Pittsburg Seam, Drift.*—This mine is located 3 miles east of Clarksburg on the Parkersburg Division of the B. & O. R. R. It is opened up on the double entry system. Ventilation which is produced by a 15 foot curved blade fan with direct steam connection is fairly good throughout the mine workings. The top is draw slate and of a rather firm nature which makes it above the average of this district. Timbering is being well looked after. The water in a large portion of the mine is removed by natural drainage; some parts of the mine, however, water is handled very efficiently by pumps. This mine fully complies with the State Mine Law. This mine was reported last year as Ocean Mine, No. 106 of the printed report. With the present development and a full force of men this mine would be capable of producing 1300 tons daily.

K. D. BAILEY, Supt.

U. B. BLAKESMITH, Mine Foreman.

PITTSBURG & FAIRMONT FUEL CO.

Series No. 228. *Perry No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located 3 miles west of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation, which is produced by a 16 foot curved bladed fan with steam connections is fairly good throughout the mine workings. The overlying strata is draw slate, and is very treacherous and requires that top coal be maintained throughout the workings to insure safety. This is being looked after by the management as carefully as possible but in some instances the top is broken and requires immediate attention as to timbering, as the fire clay which overlays it is about 26' in thickness and keeps constantly falling unless timbered at once. Drainage is fair. The coal is undercut by electric machine and hauled to the tippie by electric motors. This mine was reported last year as Perry No. 1, No. 111 of the printed report. With a full force of men and the present development this mine is capable of producing 1000 tons daily.

L. W. SMITH, Supt.

A. V. MORGAN, Mine Foreman.

Series No. 229. *Perry No. 2 Mine, Pittsburg Seam, Drift.*—This mine is located 3 miles west of Clarksburg on the Short Line Division of the

B. & O. R. R. The ventilation which is produced by a 12 foot curved blade fan with steam connections is good throughout the workings. It is opened up on the double entry system and conditions are the same as already reported in No. 1 Mine, being under the same management. This mine was reported last year in connection with Perry No. 1, No. 111 of the printed report. This mine with present development and a full force of men is capable of producing 1000 tons daily. The coal is hauled by electric motor and dumped over the same tippie as the product of No. 1 Mine.

L. W. SMITH, Supt.

A. V. MORGAN, Mine Foreman.

Series No. 230. *Perry Coaling Station, Pittsburg Seam, Drift.*—This mine is located 2 miles west of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system, the ventilation which is produced by a 12 foot Charleston fan is fairly good throughout the workings. The overlying strata is fire clay and is of a rather treacherous nature and requires careful attention which is being given by the management. The drainage is only fair at this mine being natural in a large section of the mine, and the other section is being fairly well taken care of by means of electrical pumps. The coal is undercut by electricity and is hauled to the drift mouth by means of mules, and lowered to the tippie by traction plane. This mine was reported last year as Perry Coaling Station No. 112 of the printed report. With a full force of men and the present mine development this mine is capable of producing 750 tons daily.

L. W. SMITH, Supt.

A. L. HORD, Mine Foreman.

MEADOWBROOK COAL & COKE CO

Series No. 231. *Erie Mine, Pittsburg Seam, Drift.*—This mine is located 6 miles north of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the four entry system, the ventilation which is produced by a 12 foot curved blade fan with steam connection is good throughout the mine workings. The ventilation has been greatly improved during the past year by means of remodeling the fan house and building it with a view of more efficiency, which increased the total number of cubic feet of air passing though the mine about one-half. The top is rather good on account of the maintenance of head coal throughout the mine workings, but in places where the top is broken shows the overlying strata to be of fire clay which would be very treacherous in case all the coal was removed, timbering is being carefully looked after. Water is being well taken care of by means of pumps, and natural drainage also, coal is undercut by means of both types of machines compressed air and electric. It is hauled to the Junction on the inside by means of electric motors and hauled up the plane to the tippie by head rope. This mine was reported last year as Erie No. 118 of the printed report. With a full force of men and the present development this mine is capable of producing 1200 tons daily.

L. L. CRAWFORD, Supt.

C. D. M. KRAMER, Mine Foreman.

W. B. GUNTEN COAL CO.

Series No. 232. *Overholt Mine, Pittsburg Seam, Drift.*—This mine is located 6½ miles north of Clarksburg on the Short Line Div. of the B. & O. R. R. It has been recently opened up and on date of last visit the officials of the Company were not found. The mine and equipment were examined by the inspector, and was found to be ready to ship coal but the inspector does not know whether they have made any shipments or not, as it was impossible for him to get this information. The mine is being opened up on the double entry system; the ventilation for the present is natural, the opening is in the Pittsburg seam directly north of the Erie Mine.

W. B. GUNTON, Supt.

LAMBERT'S RUN COAL COMPANY.

Series No. 233. *Lambert's Mine, Pittsburg Seam, Drift.*—This mine is located 7 miles north of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system. Ventilation at present time natural. The coal is being undermined by pick and hauled up plane to tippie by head rope by electricity motor power, power being procured from Fairmont & Clarksburg Traction Company. On date of last visit this mine was not yet ready to ship coal, but at date of this report the mine is in operation and shipping coal. The top or overlying strata has the appearance of being exceedingly good. This mine was not reported last year. And on date of visit the official had not been chosen, as no one other than Mr. Robinson, Superintendent of Construction was found.

Series No. 234. Blank.

No report.

BLUE RIDGE COAL COMPANY.

Series No. 235. *Thompson Mine, Pittsburg Seam, Drift.*—This mine is located 11 miles north of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation on date of last visit was natural, which was fairly good. Have been informed since date of last visit that a small fan has been procured and installed, which should insure good ventilation. This mine is operating in the Pittsburg seam, the coal is undermined by pick and hauled to the drift mouth by means of mules. This mine was reported last year as Blue Ridge, No. 141 of the printed report. With a full force of men and the present development this mine could produce 200 tons daily.

ISHAM KEITH, Supt.

D. H. STIRES, Mine Foreman.

PITTSBURG & FAIRMONT FUEL CO.

Series No. 236. *Pooz Mine, Pittsburg Seam, Drift.*—This mine is located 12 miles north of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the triple entry system; the ventilation is produced by a 12 foot curved blade fan and is found good throughout the workings. The overlying strata is bad, requiring exceedingly great

care in timbering and in taking down and removing the loose and overhanging slate along haulways. The stoppings are constructed with concrete along main haulways, and is fairly serviceable throughout the workings; some gas is found in a few working places, in the advance workings, but is being taken care of by the management. The coal is undercut by electric machines and is hauled to the junction on the inside by mules and lowered to tipples by endless rope. This mine was reported last year as Pooz, No. 113 of the printed report. With a full force of men and the present development and equipment this mine is capable of producing 1500 tons daily.

A. C. ICE, Supt.

W. MALONE, Mine Foreman.

PITTSBURG & FAIRMONT FUEL COMPANY.

Series No. 237. *Lucas Mine, Pittsburg Seam, Drift.*—This mine is located $12\frac{1}{2}$ miles north of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the triple entry system and the ventilation which is produced by a 7 foot fan with electric connection of the Stine type, is found fairly good throughout the mine workings. The overlying strata is fire clay and is bad when the top coal is removed necessitating the maintenance of top coal in all the working places where it is possible to do so, as the fire clay over the coal at this mine ranges from 15 to 30 feet in thickness and requires very careful timbering in places where top coal has been removed. Drainage is fairly good, the coal is undercut by electric machines and is hauled to the drift mouth by mules. This mine was reported last year as Lucas, No. 114 of the printed report. With a full force of men and the present equipment and development this mine is capable of producing 1000 tons daily.

A. C. ICE, Supt.

JOHN WALTERS, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 238. *Robinson Run Mine, Pittsburg Seam, Drift.*—This mine is located $13\frac{1}{2}$ miles north of Clarksburg on a branch off of the Short Line Division of the B. & O. R. R. It is opened up on the triple entry system and the ventilation is produced by a 7 foot Stine fan with electric connection which power is procured from the Fairmont & Clarksburg Traction Company. At this mine is located a sub-station for reducing current and the voltage on the inside and all other voltages used in and around the mine is reduced to 250 volts, buildings, tipples, and other equipments in and around the mine is of the latest designs. Character of the roof is rather treacherous being overlaid with fire clay which necessitates the maintenance of head coal throughout the mine workings, which is being carefully looked after by the management. Some gas is found in the advance workings of this mine. Drainage is good, water being handled by pumps. All other conditions around this mine fully complies with the State Mine Law. This mine was reported last year as Robinson Run, No. 93 of the printed report. With a full force of men and the present development this mine is capable of producing 300 tons daily.

ELLIS P. GOEDECKE, Supt.

CLAUD ADDISON, Mine Foreman.

ROSEBUD COAL COMPANY.

Series No. 239. *Rosebud Mine, Pittsburg Seam, Drift.*—This mine is located 14 miles northwest of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system. Ventilation is produced by open grate which is only fair throughout the mine workings, top or overlying strata is of fire clay, and in places where head coal is broken and removed, is very treacherous and requires careful attention as to timbering it was found necessary for the inspector to give direction to mining engineer Dudley D. Britt to go on the property and make survey of the same and furnish to this office a map of the property that fully complies with the State Mine Law. This direction was given in writing some time ago, and on date of this report the survey has not been completed, drainage is fair but some standing water was found in some working places of the mine on last visit. The coal is undercut by electric machines hauled to the drift mouth by mules and lowered to the tippie by traction plans. This mine was reported last year as Rosebud No. 124 of the printed report. With a full force of men and with the present development this mine is capable of producing 400 tons daily. SAMUEL CROMER, Supt. and Mine Foreman.

MONROE COLLIERY COMPANY.

Series No. 240. *Sylvester Mine, Pittsburg Seam, Drift.*—This mine is located 14¼ miles northwest of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation on date of last visit was natural, however, the company expects in the near future to install a fan to fully comply with the law and properly ventilate the workings. The top or overlying strata is fire clay and will require careful attention as to timbering where all the coal is removed. The coal is undercut by compressed air machines of the puncher type, and hauled to the drift mouth by mules, and lowered to the tippie by traction plane. This mine was reported last year as Monroe Mine, No. 140 of the printed report. With a full force of men and with the present development the mine at the present time is capable of producing 300 tons daily.

B. H. MONROE, Supt. & General Manager.

NATIONAL COAL COMPANY.

Series No. 241. *Dola Mine, Pittsburg Seam, Drift.*—This mine is located 16 miles northwest of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by furnace has always been found fairly good on dates of visits by inspector. The top or overlying strata is a fire clay and is exceedingly bad requiring very careful attention as to timbering and by reason of the seam only averaging about 7 feet in height makes it very inconvenient to maintain top coal throughout the mine workings. Drainage is rather bad in the right hand side of the mine, water being handled by syphon, this however is carefully looked after by the management on the ground, and is kept in a fairly sanitary condition. The coal is undercut by picks and hauled to the drift mouth

by mules; this mine was reported last year as National or Overholt mine, No. 134 of the printed report. With a full force of men and the present development this mine is capable of producing 450 tons daily.

E. J. MORRIS, Superintendent and Mine Foreman.

FAYETTE COAL COMPANY.

Series No. 242. *Fayette Mine, Pittsburg Seam, Drift.*—This mine is located 16 miles northwest of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is natural was found ample on date of last visit for the development, but the Superintendent Mr. Greaves who was found in charge gave me the assurance that as soon as the development extended to the point where it would be necessary that they would install a fan or construct a furnace of sufficient great area to properly ventilate the mine. This company at this time is preparing to install machinery and I am informed that it will be compressed air and the coal will be undercut by machinery of the puncher type at the present time however the coal is undercut by pick and hauled to the drift mouth by mules where it is lowered to the tippie by traction plane. This mine was reported last year as Dola Mine No. 135 of the printed report. With a full force of men and the present mine development this mine is capable of producing 200 tons daily.

BENJ. GREAVES, Supt.

JAS. JOHNSON, Mine Foreman.

SHORT LINE COAL COMPANY.

Series No. 243. *Girard No. 2 Pittsburg Seam, Drift.*—This mine is located 15½ miles northwest of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a 10 foot curved blade fan with steam connections. On date of last visit was found to be only fair, recommendations, however, were made by the inspector which in his judgment would greatly benefit the ventilation; this I am informed has been done, the most important of which was the remodeling of the fan house with the view of creating more efficiency of the fan, which I have understood by the management resulted. The top or overlying strata would be bad in case all the coal was removed but in this mine they have done a most excellent job in maintaining head coal in the workings. The water is handled by steam pump which is located on the inside and interferes with the proper ventilation of the mine by reason of the heat rarefying the air. The coal is undercut by pick, hauled to the junction by mules and from thence to the tippie by head rope. This mine was reported last year as Girard No. 2, No. 133 of the printed report. With the present mine development and a full force of men this mine is capable of producing 700 tons daily.

ISHAM KEITH, Supt.

WM. REID, Mine Foreman.

FAIRMONT & BALTIMORE COAL & COKE COMPANY.

Series No. 244. *Fairmore Mine, Pittsburg Seam, Drift.*—This mine is located 2 miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system and the

ventilation which is produced by a 12 foot curved blade fan with steam connection was fairly good throughout that section of the mine which the fan ventilated. There is quite a development which is ventilated by a furnace which is only fair. The top or overlying strata is fire clay and is of rather treacherous nature, which requires careful timbering. Drainage is exceedingly bad in a large section of this development and it would be an exceedingly hard proposition to drain this development into a perfectly sanitary condition by reason of old workings interfering. This mine was reported last year as Fairmore Mine, No. 115 of the printed report. With a full force of men and the present development this mine is capable of producing 5 to 600 tons daily.

A. L. WHITE, Supt.

T. J. WESTMORELAND, Mine Foreman.

MADEIRA-HILL-CLARK COAL COMPANY.

Series No. 245. *Goff Mine, Pittsburg Seam, Drift.*—This mine is located $3\frac{3}{4}$ miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is derived from the Waldo No. 1 fan and also a furnace which is built on this property, on date of last visit was found to be only fair by reason pointed out to the management by the inspector in recommendations left. I have learned that the recommendations have been complied with and that the ventilation has been greatly improved. The top or overlying strata is draw slate and is reasonably good throughout the workings; top coal is maintained along all the important haulways. Coal is undercut by picks and hauled to the drift by mules, lowered to the tippie by traction plane. This mine was reported last year as Goff No. 120 of the printed report. With a full force of men and the present mine development this mine is capable of producing 600 tons daily.

GEO. WUNDERLICK, Supt.

WM. ASHCRAFT, Mine Foreman.

Series No. 246. *Waldo No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located 4 miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a 16 foot curved blade fan with direct steam connection on date of last visit was found to be good in all the right hand section of the mine. And only fair in all the left hand section of the mine, by reason pointed out to the management by the inspector. Recommendations were left which I have understood by the management that they have complied with, with the result that the ventilation has been greatly improved, the most important recommendation was that the fan house be remodeled which they did at once. The coal is undercut by compressed air machines of the puncher type; it is hauled to the drift mouth by mules and lowered to the tippie by the Wagner-Palmros system. The top or overlying strata is of draw slate which is very bad in places where head coal is not being maintained, and requires extreme care as to timbering. This mine was reported last year as Waldo No. 1 Mine, No. 119 of the printed report. With a full force of men and the present development this mine is capable of producing 1200 tons daily.

GEO. WUNDERLICK, Supt.

A. G. COBURN, Mine Foreman.

O. J. FOWLER, Mine Foreman.

WASHINGTON FUEL COMPANY.

Series No. 247. *Miller No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located $4\frac{1}{2}$ miles west of Clarksburg on the Parkersburg Div. of the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by open grate was found to be sufficient for present development and was assured by the Superintendent on the ground on date of last visit, when developed to the extent that it would be required, that a fan or furnace would be constructed or installed which would properly ventilate the mine. This mine has not yet furnished this office with map of their mine, their attention was called to this matter and they promised to comply, as soon as their engineer could complete their work which they claimed at that time he was engaged in doing. The top is draw slate and is very soft and treacherous and will require careful timbering. Drainage on date of visit was rather bad, but by cutting to the outside which they have planned the drainage can be made very good. This mine was reported last year as Miller Nos. 1 & 2 Mines, No. 102 of the printed report.

D. E. BROWN, Supt. and Mine Foreman.

Series No. 248. *Miller No. 2 Mine, Pittsburg Seam, Drift.*—This mine is located $4\frac{1}{2}$ miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system; the ventilation on date of last visit was a natural current and was very bad on account of the plans of the mine being such that crosscuts could not be driven regularly; the attention of the management was called to this fact with instructions to inform their engineer that plans would have to be changed, so as to make it possible to comply with State Mine Law in case they exceeded five men on the inside; he gave me the assurance that this would be done at once. There has sever been found more than four men working on the inside of this mine on date of visit. Conditions are practically the same as No. 1 Mine already reported as to top, drainage, &c. The coal in both mines is undercut by pick, hauled to the drift mouths by means of mules and lowered down the hill by traction plane from thence it is hauled to the tippie by steam locomotive. This mine was reported last year in connection with No. 1 Mine as Washington Fuel Co., No. 132 of the printed report. With a full force of men and the present mine development these two mines are capable of producing 200 tons daily.

D. E. BROWN, Supt. & Mine Foreman.

CLARKSBURG FUEL COMPANY.

Series No. 249. *O'Neil Nos. 1, 2, 3, & 4 Mines, Pittsburg Seam, Drifts.*—These mines are located $5\frac{1}{2}$ miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. They are opened up on the double entry system and the ventilation which is produced by two 10 foot curved bladed fans with direct steam connections has always been found ample on date of visits. The operation at the present time is confined to No. 4 opening; the fans are located at the mouth of the air course at No. 4 and at mouth of air course of No. 1 Mine. The top or overlying strata

is very bad being fire clay of a treacherous nature which requires the careful maintenance of head coal, as the fire clay overlying the coal ranges about 26 feet in thickness, and in places where top coal has been removed it is very dangerous in case it is not promptly timbered; small quantity of explosive gas was found in one or two of the rooms on date of last visit but was being well taken care of by means of serviceable stoppings. The drainage is fair, the water being handled almost exclusively by pumps. The coal is undercut by compressed air machines of the puncher type and hauled to the tippie by mules. These mines were reported last year as O'Neil No. 1, 2, 3, & 4, No. 87 of the printed report. With a full force of men and the present mine development these mines are capable of producing 1000 tons daily.

J. R. ELSESS, Supt.

S. L. SCHRADER, Mine Foreman.

MADEIRA-HILL-CLARK COAL COMPANY.

Series No. 250. *Randolph Mine, Pittsburg Seam, Drift.*—This mine is located 6¼ miles west of Clarksburg on the Parkersburg Division of the B. & O. R. R. It is opened up on the triple entry system and the ventilation is produced by a 15 foot curved blade fan with direct steam connections and has always been found ample to comply with State Mine Laws on date of visit. It was found necessary to recommend that some splits be put in on date of last visit. Also the inspector found that they were not complying with the State Mine Law in connection with the Second opening this was taken up very vigorously with Management on the ground, with the recommendation that a second opening be at once made that would fully comply with the law. They promptly complied with the recommendations and at this time this mine fully complies with the law in this regard. The top is very bad in places where top coal has been removed; timbering is carefully looked after, however. Drainage is fairly good, water being handled by pumps. No gas has been found in this mine. Coal is undercut and hauled by electricity. This mine was reported last year as Randolph, No. 122 of the printed report. With a full force of men and the present equipment and development this mine is capable of producing 800 tons daily.

GEO. WUNDERLICK, Supt.

W. J. KEIFE, Mine Foreman.

Series No. 251. *New Chieftain Mine, Pittsburg Seam, Drift.*—This mine is located 6¼ miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the triple entry system and the ventilation which is produced by a 12 foot curved blade fan with direct steam connections has always been found sufficient to ventilate the workings. The conditions are the same as far as top is concerned as already reported in Randolph Mine being fire clay and bad. No gas is found in this mine. Timbering is carefully looked after. It was found necessary on date of last visit to call attention of the management to the condition of the return air course with recommendation that they clean said air course for the purpose of complying with the State Mine Law in regard to second opening in case they exceeded twenty men on the inside; this he informs me was promptly done, and at this time the mine is in operation on a small scale, but few men are employed on the inside.

The coal is undercut by electric machines and hauled to the tippie by the same electric motor that hauls the coal from the Randolph side, and is dumped over the same tippie. This mine was reported last year as New Chieftain No. 121 of the printed report. With a full force of men and the present mine development if properly cleaned up and put in condition this mine would be capable of producing 500 tons daily.

GEO. WUNDERLICK, Supt.

W. J. KEIFE, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 252. *Reynoldsville Mine, Pittsburg Seam, Drift.*—This mine is located $6\frac{3}{4}$ miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a 10 foot curved bladed fan, with direct steam connection is only fair, by reason of adverse conditions, the main feature of which is the top which is exceedingly bad, requiring very careful attention as to timbering, and by reason of the extent of the development which is quite a distance from drift mouth to the working places, necessitating the keeping in repair of the stoppings and the cleaning of this long air course. The company has recently shut this mine down for purpose of putting it in repair before resuming operation, the drainage is bad for local reasons. Water being handled principally by pumps. The coal is undercut by pick and hauled to drift mouth by mule from thence it is hauled up plane to the tippie by means of head rope. This mine was reported last year as Reynoldsville No. 104 of the printed report. With a full force of men and with the present equipment and development this mine is capable of producing 300 tons daily.

J. R. ELSESS, Supt.

GUY PARKER, Mine Foreman.

O'GARA COAL MINING COMPANY.

Series No. 253. *O'Gara Mine, Pittsburg Seam, Slope.*—This mine is located $6\frac{3}{4}$ miles west of Clarksburg on the Parkersburg Division of the B. & O. R. R. It is opened up on the double entry system, and the ventilation which is produced by a 12 foot Charleston fan with steam connections is only fair throughout the mine workings and by reason of some gas being found in the advance workings and for other local reasons it was necessary for the inspector to recommend that a new fan be procured and installed as soon as possible. This recommendation was very rigorously insisted upon and at this time the new fan is on the ground and will be installed within a few days. The top is very bad, requiring very careful timbering. The drainage is only fair, water being handled exclusively by pumps, the coal is undercut by puncher machines of the compressed air type. It is hauled to the slope by mules, from thence it is hauled up the slope to the tippie by means of head rope. This mine was reported last year as O'Gara No. 128 of the printed report. With a full force of men and the present development and equipment this mine is capable of producing 800 tons daily.

F. O. BUSHONG, Supt.

WM. F. WHITE, Mine Foreman.

DOUGLAS-RAUCH COAL COMPANY.

Series No. 254. *Phoenix Mine, Pittsburg Seam, Slope.*—This mine is located $6\frac{3}{4}$ miles west of Clarksburg on the Parkersburg Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a 12 foot Charleston fan with steam connections is only fair throughout the mine workings, some gas is found in advance workings and it was found necessary for the inspector to recommend that a competent man be placed in charge as Fire Boss that the law be complied with in this particular; some dust was also found in this mine and recommendations made that this be kept wet at all times; it will only be a matter of a short time until it will be necessary for this company to procure and install a fan of sufficient efficiency to properly ventilate their workings when the development is extended. Water is being handled by compressed air pumps; the top is bad and requires careful attention as to timbering. The coal is undercut by compressed air machines of the puncher type. The coal is hauled to the slope by mules and from thence to the tippie by head rope. This mine was reported last year as Phoenix, No. 127 of the printed report. With a full force of men and with the present development and equipment this mine is capable of producing 800 tons daily.

E. P. DOUGLASS, Supt.

JAS. HOWE, Mine Foreman.

CLARKSBURG FUEL COMPANY.

Series No. 255. *Lydia Mine, Pittsburg Seam, Slope.*—This mine is located $7\frac{1}{4}$ miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R. It is opened up on the double entry system and has not been in operation during the past year.

J. O. BROOKS, Supt.

PITCAIRN COAL COMPANY.

Series No. 256. *Pitcairn Mine, Pittsburg Seam, Drift.*—This mine is located 1 mile south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced with a 15 foot steam fan is fairly good throughout the mine workings. This mine is inclined to be dusty, and much insistence on the part of the inspector has been made that it be kept thoroughly wet in all dry sections at all times while the mine is in operation. The overlying strata is draw slate and is fairly good; head coal is maintained in most working places; the drainage is good, with the exception of first right haulway where some standing water is found, the coal is undercut by electric machine and hauled on the inside to the junction by mules from thence to the drift mouth by electric motors from thence to the tippie by steam locomotive. This mine was reported last year as Pitcairn, No. 130 of the printed report. With a full force of men and the present development this mine is capable of producing 1200 tons daily.

J. A. JENKINS, Supt.

W. C. MANEAR, Mine Foreman.

CLARKSBURG FUEL COMPANY.

Series No. 257. *Dixie Mine, Pittsburg Seam, Drift.*—This mine is located 2 miles south of Clarksburg on the W. Va. & P. Branch of the B. & O. R. R. and is opened up on the double entry system; the ventilation for the most part during the past year has been natural, notwithstanding that there is a furnace constructed at this mine, but by reason of local conditions natural ventilation was preferred as the entry on which the work was being done was opened through the hill, which caused the ventilating current to pass through the hill making no difference to the workmen when the current reversed. The top is exceedingly bad at this mine, but is being carefully looked after by the Superintendent and Mine Foreman on the ground; the coal is being undercut by picks and hauled to the drift mouth by mules, lowered to the tippie by traction plane; this mine was reported last year as No. 83 of the printed report. With a full force of men and the present development this mine has a capacity of 100 tons daily.

G. W. ELIASON, Superintendent and Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 258. *Lynch Mine, Pittsburg Seam, Drift.*—This mine is located 6 miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation is produced by a 12 foot curved blade fan with electrical connections and is fairly good throughout the workings. Drainage is bad, requiring a great deal of attention as to ditching, cleaning of ditches, &c. The top is exceedingly bad along haulways requiring careful attention as to timbering, taking down and removal of loose overhanging slate. Coal is undercut by electrical machines hauled to the drift mouth by mules, lowered to the tippie by traction plane. This mine was reported last year as Lynch No. 102 of the printed report. With the present equipment and a full force of men this mine is capable of producing 200 tons daily.

LOWELL CHILDS, Supt.

FRANK McNEMAR, Mine Foreman.

CLARKSBURG FUEL COMPANY.

Series No. 259. *Two Lick Mine, Pittsburg Seam, Drift.*—This mine is located 6½ miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a 7 foot Stine fan has always been found ample and to fully comply with the State Mine Law. A little explosive gas is found in the advance workings but is being well taken care of by means of concrete and serviceable wooden stoppings. The top is draw slate and in some sections of the mine sand stone overlays the coal, top coal is maintained in some of the working places to insure safety. In other sections of the mine where top is good all the coal is removed. Timbering is well looked after by the management. The coal is undercut by electric machines and hauled to the tippie by electric motor. This mine fully complies with the State Mine Law as the drainage and other sanitary conditions in and around the mine have been greatly improved

during the past year. This mine was reported last year as Two Lick Mine No. 84 of the printed report. With a full force of men and the present equipment and development this mine is capable of producing 1200 tons daily.

LOWELL CHILDS, Supt.

CHAS. GANDY, Mine Foreman.

MARSHALL COAL COMPANY.

Series No. 260. *Marshall Mine, Pittsburg Seam, Drift.*—This mine is located 7 miles South of Clarksburg on the West Virginia Pittsburg Division of the B. & O. R. R. It is opened up on the triple entry system; the ventilation which is produced by a 12-foot surved blade fan with direct steam connections is only fair, by reason of the extent of the development and also by reason of the many splits found in the current. Some recommendations were made by the inspector on date of last visit, which in his judgment would improve the ventilation as it would make the inlet much nearer the advance workings. The top is bad in some sections of this mine and requires very careful timbering as the sand stone directly overlays the coal near the crop and is badly cut up by cleavages which when the coal is removed from under it if not well timbered falls without any warning. The coal is undercut by compressed air machines of the puncher type and hauled to the drift mouth by means of mules and lowered to the tippie by traction plane. This mine was reported last year as Marshall Mine No. 129 of the printed report. With a full force of men and the present equipment and development this mine is capable of producing 1000 tons daily.

GEO. ADAMS, Supt.

N. H. HACKER, Mine Foreman.

COOK & HART COAL COMPANY.

Series No. 261. *Cork Mine, Pittsburg Seam, Drift.*—This mine is located 7½ miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is natural was found to be fairly good on date of visit. The top or overlying strata is very soft and requires careful attention as to timbering, drainage in wet season is very bad, by reason of the ditches not being taken care of, the coal is undercut by picks hauled to the drift mouth by mules and lowered to the tippie by traction plane. This mine was reported last year as Cook or Cork Mine No. 123 of the printed report. With a full force of men and the present mine development and equipment this mine is capable of producing 300 tons daily.

JAS. F. COOK, Supt.

CYRUS MICHELL, Mine Foreman.

FAIRMONT COAL COMPANY.

Series No. 262. *West Fork Mine, Pittsburg Seam, Drift.*—This mine is located 7½ miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a furnace for the greater part of the past year was very bad, but by reason of recent re-construction of the furnace, ventilation has been greatly improved. Drainage has been greatly improved at this mine during the past year, and is still rather

bad along haulways in some sections of the mine. The top is very bad, requiring very careful attention as to timbering, especially along haulway as the fire clay which overlays the coal is very thick averaging in thickness about 28 feet. The coal is undercut by picks, hauled to the drift mouth by mules, lowered to the tippie by traction plane. This mine was reported last year as West Fork 103 of the printed report. With the present equipment and development and a full force of men this mine can produce 200 tons daily.

LOWELL CHILDS, Supt.

JOE METHENY, Mine Foreman.

HUTCHINSON FUEL & SUPPLY COMPANY.

Series No. 263. *Byron No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located $8\frac{1}{2}$ miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. This mine is opened up on the double entry system and the ventilation which is produced by a 7 foot Stine fan with steam connections is only fair throughout the mine workings. The overlying strata is very bad and requires the careful maintenance of head coal throughout the mine workings. This coal averages in thickness from $4\frac{1}{2}$ to 8 feet and is very difficult to maintain head coal on account of roles in the roof and clay veins, &c., which they encounter, drainage is only fair, some small quantities of explosive gas was found in the advance workings on one of the former visits by the inspector, which was being fairly well taken care of by means of wooden stoppings; this mine has not been in operation to any extent during the past year, as the operating company is revoting its time and attention to their No. 2 Mine, having planned to connect the two mines underground and haul all their coal out of their No. 2 opening. Coal is undercut and hauled to the tippie by electricity. Timbering is being well looked after at these mines. This mine was reported last year as Byron No. 1, No. 125 of the printed report. With the present development and equipment and with a full force of men if properly cleaned up and drained this mine is capable of producing 400 tons daily.

W. G. H. CRAWFORD, Supt.

W. B. MALONE, Mine Foreman.

Series No. 264. *Byron No. 2 Mine, Pittsburg Seam, Drift.*—This mine is located $8\frac{1}{2}$ miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the triple entry system and the ventilation which is produced by a 12 foot curved blade fan with direct steam connections is only fair. Instructions were given to the management on date of last visit, to remodel the fan house, which they promised would be done in the very near future, when this is done it will insure the full efficiency of the fan, which will improve the ventilation on the inside, the top is similar to the top in No. 1 mine, although conditions are much better as the coal is more uniform in height, and the clay veins are not so numerous, timbering is carefully looked after and great improvements have been made in this mine during the past year, as to bettering drainage, &c. The coal is undercut and hauled to the tippie by electricity. It is dumped over the same tippie as that of No. 1 Mine. This mine was reported last year as Hutchinson No. 2, No.

126 of the printed report. With a full force of men and the present equipment, and development this mine is capable of producing 1500 tons daily.

W. G. H. CRAWFORD, Supt.

W. B. MALONE, Mine Foreman.

CLARKSBURG FUEL COMPANY.

Series No. 265. *Interstate No. 1 Mine, Pittsburg Seam, Drift.*—This mine is located $8\frac{1}{2}$ miles south of Clarksburg on the W. Va. & P. Branch of the B. & O. R. R. This mine is opened up on the double entry system and has not been in operation during the past year. This opening is in the Pittsburg vein and the inspector does not know at this time whether it is the intention of the Company to resume operation in the near future or not. This mine was reported last year as Interstate No. 1, No. 85 of the printed report.

LEWIS KEENER, Superintendent.

Series No. 266. *Interstate No. 3 Mine, Pittsburg Seam, Drift.*—This mine is located 9 miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the triple entry system and the ventilation which is produced by a 12-foot curved blade fan with steam connection has always been found ample to fully comply with the State mine law. The top is drow slate, when all the coal is removed, and is fairly good in the working sections of the mine. The coal is undercut by compressed air machines of the puncher type and is hauled to the tippie by mules. The average thickness of the vein is from 6 to 9 feet, and is not as uniform as the other mines in this region. Drainage is good in the working section of the mine, but there is a large development on the right hand side of main haulway which for the past year has not been in operation where it is necessary to handle the water by pumps. This water is heavily charged with sulphuric acid which makes it impossible to maintain metallic pumps, suction and discharge lines, &c., and for this reason this section of the mine is not at present in operation and the company is preparing to install a large wooden pump, with wood connections to handle this water and when this is done this part of the mine will be put in operation. This mine was reported last year as Interstate No. 2, No. 86 of the printed report. With a full force of men and the present development and equipment this mine is capable of producing 1200 tons daily.

LOWELL CHILDS, Supt.

JESSE THOMAS, Mine Foreman.

LEWIS KEENER, Asst. Supt.

JANE LEW COAL & COKE COMPANY.

Series No. 267. *Fulmer No. 1 Mine, Red Stone Vein, Drift.*—This mine is located 16 miles south of Clarksburg on the W. Va. & P. Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a furnace is sufficient for present development, and the number of employes found on the inside. The top is very bad by reason of the many clay veins and rolls encountered, it requires very careful attention as to timbering and also as to taking down and removal of loose and overhanging slate along the haulways and in

the working places. The drainage on last visit was found bad in some sections of the mine, recommendations were made to the management which would greatly improve this condition. The second opening was also found in bad condition by reason of standing water and falls of slate. Recommendations were made to have this second opening put in condition to fully comply with the State Mine Law, and I am informed by some of the workmen, and also by the management that this has been done. There is at this mine an electrical equipment for cutting the coal but by reason of the many clay veins encountered they are not using the electric machine, but are undercutting the coal with picks, and hauling the same to the drum which is located on top of the hill some distance from the drift mouth by mules and lowering it to the tippie by traction plane. There is 20 coke ovens of the Bee Hive type which are not at present in operation, but they are shipping their output in coal for domestic and steam purposes. This mine was reported last year as Naomi Mine No. 137 of the printed report. With the present development and a full force of men, this mine is capable of producing 250 tons daily.

HARRY FULMER, Supt.

FRANK LOVE, Mine Foreman.

LEWIS COUNTY.

JACKSONVILLE COAL & COKE COMPANY.

Series No. 268. *Sarah B, Nos. 1, 2 & 3 Mines, Pittsburg Seam, Drift.*—These mines are located 20 miles west of Sago on the Coal & Coke R. R. No. 1 mine is opened up on the double entry system and the ventilation which is produced by a furnace was considered ample by the inspector, to fully comply with the state mine law on date of last visit. The management on the ground gave me the assurance that a fan would be installed in the near future, as soon as they were able to remove their power house to a point near to number One opening. It is now located near the mouth of No. 3 opening which is something like three quarters of a mile from the drift mouth of the operating mine. The top is draw slate and is rather good in all or nearly all of the developments; some bad top however is found in the right hand workings of No. 1 mine. No gas is found, timbering is carefully looked after, the stoppings were found in much better condition on last visit than on any of my former visits. The fan spoken of above is already on the ground. It having been removed from one of the above Company mines in Pennsylvania, it is a curved blade fan and I think 12 feet in diameter, and will be direct connected with steam or air. The coal averages from 5 to 7 feet in thickness and runs rather uniform, although there is a considerable quantity of impurities to be removed on the inside by the miner. The coal is undercut by compressed air machines of the puncher type and is hauled to the drift mouth by mules, and from thence by steam locomotives to the tippie. These mines were reported last year as Sarah B Nos. 1, 2 & 3, No. 143 and 144 of the printed report. Nos. 2 and 3 have not been in operation during the past year by reason of a large rock fault which they encountered in the openings of these mines. These mines

with the present development and equipment are capable of producing 500 tons daily.

WM. ADKINS, Superintendent.

NICHOLS COLE, Mine Foreman.

Series No. 269 and No. 270.

No report.

UPSHUR COUNTY.

PENNSYLVANIA CONSOLIDATED COAL COMPANY.

Series No. 271. *Penco Mine, Red Stone Seam, Slope.*—This mine is located 4 miles west of Buckhannon on the Buckhannon and Weston Branch of the B. & O. R. R. It is opened up on the double entry system; the ventilation which is produced by a 12 foot curved blade fan, with direct steam connections, was always found fairly good by the inspector when he was able to make an inspection. This mine has not been in operation during the past year and is flooded with water. Some gas is liberated in the advance workings of this mine. Seam averages from 3 to 4½ feet in thickness. The top is draw slate and is fairly good in the advance workings, while near the opening it is rather loose. The coal is undercut by picks and hauled to the foot of the slope by mules, from thence up plane to tipple by head rope. This mine was reported last year as Penco Mine, No. 160 of the printed report.

W. D. McCAUSLAND, General Superintendent.

RED ROCK FUEL COMPANY.

Series No. 272. *Red Rock No. 1 Mine, Red Stone Seam, Drift.*—This mine is located 3½ miles west of Buckhannon on the Buckhannon & Weston Division of the B. & O. R. R. It is opened up on the double entry system, and the ventilation which is produced by a 7 foot Stine fan with electric connections was always found ample to fully comply with the State Mine Law, on dates of visit by the inspector. The top is overlaid by draw slate and is rather good throughout the mine workings. Timbering is being carefully looked after and the drainage is good in all the working places. Small quantities of explosive gas is liberated in advance workings. The coal is undercut by electric machines and is hauled to the tipple by electric motor. This is a twin mine which is connected to their No. 2 mine; the coal from both openings being dumped over the same tipple. This mine was reported last year in connection with No. 2 Mine as Red Rock Mine Nos. 1 and 2, No. 161 of the printed report. With the present equipment and development and a full force of men this mine is capable of producing 300 tons daily.

ROBERT LANG, JR., Superintendent and Mine Foreman.

Series No. 273. *Red Rock No. 2 Mine, Red Stone Seam, Drift.*—This mine is located 3½ miles west of Buckhannon on the Buckhannon & Weston Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation is produced by a 7 foot Stine fan with electric connections and the conditions are identical as that of No. 1 Mine already reported, being under the same management and coal being dumped over the same tip-

ple. Coal is undercut by electric machine, hauled by electric motor. This mine was reported last year in connection with Nos. 1 and 2 Mines, No. 161 of the printed report. With a full force of men and the present mine development this mine is capable of producing 150 tons daily. ROBERT LANG, JR., Superintendent and Mine Foreman.

NEWCOMER COAL COMPANY.

Series No. 274. *Newcomer Mine, Red Stone Seam, Drift.*—This mine is located 7 miles northeast of Buckhannon on the Buckhannon & Belington Branch of the B. & O. R. R. It is opened up on the double entry system, and the ventilation which is produced by a furnace on date of last visit was only fair, recommendations were made by the inspector to better these conditions. Coal averages from 5 to 6½ feet in thickness. The top is fire clay and requires very careful attention as to timbering. The drainage is good in most of the working places. On date of last visit it was necessary for the inspector to be very rigorous in regard to having the law complied with in reference to cutting of cross cuts not to exceed 80 feet apart. The coal is undercut by picks and hauled to the tippie by mules. This mine was reported last year as Newcomer, No. 163 of the printed report. With a full force of men and the present equipment and development this mine is capable of producing 250 tons daily. G. L. CAMPBELL, Superintendent and Mine Foreman.

BUCKHANNON RIVER COAL COMPANY.

Series No. 275. *Florence Mine (Masontown or Upper Freeport), Drift.*—This mine is located 3 miles west of Sago on the Coal and Coke R. R. It is opened up on the double entry system and the ventilation which is produced by a furnace is fairly good throughout the development. The top or overlying strata is exceedingly good requiring but very little timbering if any at all. The coal averages in thickness about 70 inches, and is undercut by pick and hauled to the drift mouth by mules, where it is dumped into the R. R. cars by means of drop bottom mine cars, the tippie being very temporary, being only a platform with a hole cut for the purpose of opening of mine cars, and allowing the coal to drop into the railroad cars. This was originally a coke plant exclusively, having 20 ovens of the Bee Hive type which have not been in operation for some time, and at the present time they are shipping the output as above stated for steam and domestic purposes. This mine was reported last year as Florence or Adrian Mine, No. 162 of the printed report. With the present development and a full force of men this mine is capable of producing 400 tons daily.

I. W. RECKARD, Superintendent and Mine Foreman.

RITCHIE COUNTY.

Series No. 276. *Ritchie Mine.*—This mine is located 16 miles south-east of Cairo on a narrow gauge R. R. that intersects at Cairo with the B. & O. R. R. This is not a coal mine but is an Asphaltic substance which is found in a vertical drift in the mountain and is being operated on a very small scale. Not more than three or four men being employed.

The product is dug with picks, is put into sacks and shipped via narrow gauge R. R. to Cairo it is there transferred to B. & O. and shipped to the northwest where it is refined and principally used for the manufacture of paints and varnish. This mine has not been visited by the inspector. And was not reported last year.

Officials not known to inspector.

THIRD DISTRICT.

GENERAL SUMMARY OF THE THIRD MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings. No. Persons Killed.		EMPLOYES.										Production of		
			Inside.					Outside.					Sum Totals.	Coal.	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	(Tons of 2,240 lbs.)	(Tons of 2,000 lbs.)			
Barbour.....	18	3	283	289	69	248	889	136	63	199	1,088	829,046	44,359		
Monongalia.....	8	1	218	85	20	101	424	54	92	146	570	271,843	76,386		
Preston.....	22	4	615	422	91	319	1,449	152	140	292	1,741	874,786	138,644		
Taylor.....	16	.....	292	84	12	90	478	100	.....	100	578	396,358	.....	
Totals.....	64	8	1,410	880	192	758	3,240	442	295	737	3,977	2,372,033	259,389		

OFFICE OF THE THIRD DISTRICT MINE INSPECTOR,
Independence, W. Va., October 5, 1908.

HON. J. W. PAUL,

Chief of Department of Mines,
Charleston, W. Va.

DEAR SIR:—I herewith respectfully submit to you my annual report as Inspector of Mines of the Third District, which includes the mines in Barbour, Monongalia, Taylor and Preston counties, for the year ending June 30, 1908.

Barbour has twenty openings, not including two new openings now in course of construction, Monongalia eight, Taylor nineteen, and Preston twenty-four, making a total of seventy-one openings. From some cause not known to me there are six or eight of these mines which have not been in operation in the last year. Owing to the depression of business, a number of the mines have not, but there are quite a number of mines that have been running full time.

I am pleased to say that the conditions in the majority of the mines in this district are very much improved, as to ventilation and drainage and as to properly removing and thoroughly watering the dusty portion of the mines. The ventilation in a number of mines in this district has been improved by putting in concrete or brick stoppings in the main intake and main headings.

There seems to be a greater desire and willingness on the part of the operators and mine managers to fully comply with the mining laws. The operators and general managers in the majority of instances are in-

clined to cooperate with me in the enforcement of the law—this applies more especially to the older and larger operations.

There are a number of mines in this district that are dry and dusty, which condition renders them, in my opinion, dangerous. I always insist upon the mine officials removing and thoroughly watering the dust, keeping it wet. I regard dust as one of the most dangerous elements we have to contend with in the mines, especially where electricity is used for hauling and mining the coal.

Fatal accidents have been comparatively few in this district during the last year. There have been quite a number of non-fatal accidents. The majority were caused I think by carelessness on the part of the employe. In a number of instances accidents have occurred where the miner has rushed into his working place immediately after firing a shot, not examining his roof or breast of coal. Where shots are improperly placed and excessive charges of explosives used it undoubtedly loosens the roof and causes it to fall.

The clerical duties of my office make it impossible for me to visit the mines in my district as often as I should or would like to do. I have some mines in this district that require three days, and a number where it requires two days to make an inspection. I think it is the duty of every Mine Inspector to make as thorough an inspection of each mine as possible when he inspects it. I have prosecuted five mine bosses, three in Preston county and two in Barbour county, for violation of Section 15 of the mining laws in not measuring the air current and keeping a record of the same, and have secured convictions in three of the cases. Two were dismissed, owing to the records having been kept but not having been presented to me for examination when I called for them.

I think where a mine boss has had less than six years of continuous experience as mine boss, he should be required to pass a practical examination as to his competency for the position of mine boss, and I also think if mine superintendents were required to pass a practical examination as to their knowledge and competency for having charge of mines and made equally responsible with the mine boss, there would be far better conditions existing in the mines of West Virginia, and less accidents. With these exceptions I think the present law is sufficient to meet all the conditions in my district, if it is fully observed by the operators and miners.

In conclusion I wish to thank you for your able and efficient counsel and advice in the discharge of my duties, and for your kind and considerate treatment of me. I also thank the operators and employes of this district for their consideration and courteous treatment.

Very respectfully yours,

JOHN F. BRATT,

Mine Inspector, Third District.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 320 indicates the third district and number 20 mine.

CONDITION OF THE MINES IN THE THIRD DISTRICT.

MONONGALIA COUNTY.

GREAT SCOTT COAL & COKE CO.

Series No. 301. *Great Scott Mine*.—This mine, which is located three and one-half miles northwest of Morgantown, on the west side of the Monongahela river, is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is natural and only fair.

This mine has not been in active operation the last year. On my last visit there were four men working, driving headings.

The coal is shipped by river and also by rail, being delivered across the river by rope and buckets. This is a very nice little mine. The conditions inside are good except the ventilation. With present developments and a full force of men, this mine is capable of producing 200 tons per day.

This mine was reported last year as Great Scott Mine, No. 40 of the printed report.

A. G. TAIT, Supt.

NIAGARA COAL & COKE CO.

Series No. 302. *Round Bottom Mine*.—This mine has not been in operation during the last year and I have not visited it.

This mine was reported last year as Round Bottom Mine, No. 41 of the printed report.

FAIRMONT COAL CO.

Series No. 303. *Beechwood Mine*.—This mine, which is located twelve miles north of Fairmont on the F. M. & P. R. R., is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is natural and is fairly good. A number of rooms and some entries are driven out to the crop which makes the circulation of air very good. The drainage is very good. The head coal is left in some parts of the mine and makes a good roof. Timbering is very well looked after. The oil used is of a very poor quality. On my last visit I did not observe any dangerous practices. Rules are posted, blankets and stretchers kept on hand.

With the present development and equipment and full force of men, this mine is capable of producing 600 tons per day.

This mine was reported last year as Beechwood Mine, No. 36 of the printed report.

HARRY TOOTHMAN, Supt.

WALTER ROWE, Mine Foreman.

THE LOW COAL CO.

Series No. *Big Falls Mine*.—This mine, which is located twelve miles north of Fairmont on the west side of the Monongahela river, is a drift opening operating the Red Stone seam. This mine has not been in operation during the last year. What coal was shipped from this mine was shipped by the river in barges.

This mine was not reported last year.

A. B. McDONALD, Supt.

OPEKISKA COAL & COKE CO.

Series No. 304. *Opekiska Mine*.—This mine, which is located at Opekiska, ten miles north of Fairmont on the F. M. & P. R. R., is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is natural and is very poor. The drainage is bad. The roof is a soft slate and is bad. The timbering is only fair. This mine was only inspected once by me.

The mine closed down soon after my first visit and has not been in operation since.

Shooting on the solid is practiced to a great extent in this mine. The oil used for illuminating purposes is of a fair quality. The second opening meets the requirements of the law. With the present development this mine is capable of producing 300 tons per day, with a full force of men.

This mine was reported last year as Opekiska Mine, No. 35 of the printed report.

W. S. WOODS, Supt.

F. H. LOVE, Mine Foreman.

ELKINS COAL & COKE CO.

Series No. 305. *Sabraton No. 5 Mine*.—This mine, which is located two and one-half miles from Morgantown near Rock Forge, is a drift opening operating the Pittsburg seam on the double entry system. The coal is hauled from the mine, about one mile by an electric motor to the tippie on the M. & K. R. R. The ventilation is produced by a fan and is fairly good. The drainage is only fair. The powder is carried into the mines in cans of five pounds capacity. The oil sold by the operating company is of a fair quality. The roof is a soft slate and dangerous. Timbering is very well looked after. The second opening meets the requirements of the law. With present development and a full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Sabraton Mine No. 5, No. 38 of the printed report.

O. F. BARNARD, Supt.

W. R. SMITH AND

WM. BARNARD, Mine Foremen.

CONNELLSVILLE BASIN COKE CO.

Series No. 306. *Mine No. 1*.—This mine is located four miles south of Morgantown on the M. & K. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by two fans, force and exhaust, and is fairly good. There is not the attention given to the distribution of the air that should be. The drainage is good. The roof is a hard slate and is excellent. Powder is carried into the mine in cans of five pounds capacity. A fair quality of oil is used for illuminating purposes. The second opening meets all the requirements of the law. With present development and a full force of men this mine is capable of producing 400 tons per day.

This was reported last year as Connellsville Mine, No. 39 of the printed report.

G. S. SAPMAN, Supt.

DENNIS CONNELLY, Mine Foreman.

ELKINS COAL & COKE CO.

Series No. 307. *Richard No. 1 Mine*.—This mine is located four miles south of Morgantown on the M. & K. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation, which is produced by a fan, has always been fairly good. The roof in this mine is good. The timbering is very well looked after. This mine liberates some explosive gas in the main dip entry and in the seventh right entry. On my first visit I found considerable dust in some parts of the mine and I at once ordered it removed from the mine and the places thoroughly watered. I also ordered the seventh right entry to be worked with safety lamps. I also found some of the employes using mixed oil. Shooting on the solid was being practiced. The oil used at this mine is of a very fair quality, and shooting on the solid is strictly prohibited by the management. The second opening fully complies with the law. This mine has been in operation for several months. With the present development and equipment and a full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as Richard Mine No. 1, No. 37 of the printed report.

O. F. BARNARD, Supt.

FRANK LIMER, Mine Foreman.

JOHN WILLIAMS, Fire Boss.

PRESTON COUNTY.

ELKINS COAL & COKE CO.

Series No. 308. *Bretz No. 2 Mine*.—This mine is located at Bretz on the M. & K. R. R., and on Deckers creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a sixteen-foot Robinson fan. On my last visit to these mines I found the condition very much improved. The ventilation was very much improved on account of the management putting concrete stoppings in the main intake and cleaning out the air courses. There is some fine coal and dust along the haulways. The drainage is good. The roof is excellent, being formed of head coal which is left on account of its not being good for coking purposes. The powder is carried into the mine in cans of five pounds capacity. The second opening meets with all the requirements of the law. Rules are posted, blankets and stretchers are kept on hand. With the present development and a full force of men this mine is capable of producing 800 tons per day.

This mine was reported last year as Bretz No. 2 Mine, No. 204 of the printed report.

J. F. RALSTON, Supt.

JOHN MALONEY AND

F. J. WOODSELLS, Mine Foremen

Series No. 309. *Masontown No. 6 Mine*.—This mine is located at Masontown on the M. & K. R. R. and on Deckers creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by an eight-foot fan, is good. The drainage is good. The roof is good. The oil used for illuminating purposes is of a

very fair quality. The powder is carried into the mine in cans of five pounds capacity. Shooting on the solid is strictly forbidden and is not practiced. The second opening meets the requirements of the law. With present developments and full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as No. 6 Mine, No. 206 of the printed report.

J. B. HANFORD, Supt.

JOSEPH HANFORD, Mine Foreman.

PRESTON COUNTY COKE CO.

Series No. 310. *Cascade Mine*.—This mine is located at Cascade near Masontown on the M. & K. R. R., and on Deckers creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a furnace and is fairly good. The drainage is good. The roof is good and well timbered. The oil used for illuminating purposes is of a fair quality. The second opening does not meet the requirements of the law, and on my last visit I found twenty-four men at work in this mine. I ordered the mine foreman to reduce the number of men to twenty and complete the second opening at once I have since received a letter from the management stating that the second opening would be made at once. This company is converting the entire output of this mine into coke. They have fifty-two ovens now in blast with quite a number in course of construction. With present development and full force of men this mine is capable of producing 200 tons per day.

This mine was reported last year as No. 1 Mine, No. 207 of the printed report.

EVERHART BIERER, Supt.

J. B. HAILE, Mine Foreman.

ELKINS COAL & COKE CO.

Series No. 311. *Kingwood No. 4 Plant*.—This plant is located one mile north of Kingwood on the M. & K. R. R. There are two openings at this plant, Nos. 1 and 2, operating the Upper Freeport seam on the double entry system. No. 1 opening is ventilated by a sixteen-foot fan. Air is good, being well distributed throughout the mine. The drainage is good. The roof is good, being a hard sand-rock. No. 2 is ventilated by a four-foot Clifford fan; ventilation is good throughout the mine. The drainage in general is good. The roof is a hard sand-rock. The powder is all carried into the mine in cans of five pounds capacity. The oil used at this mine is of a fair quality. The second opening at this plant meets all the requirements of the law. With the present development and equipment and a full force of men this mine is capable of producing 400 tons per day.

This plant was reported last year as Kingwood, or No. 4 Mine, No. 205 of the printed report.

J. B. HANFORD, Supt.

R. R. BEAVERAGE, Mine foreman.

IRONA COAL CO.

Series No. 312. *Irona No. 1 Mine*.—This mine is located two miles west of Kingwood on the W. Va. N. R. R., and on Morgans Run. It is a

drift opening, operating the Upper Freeport seam on the double entry system. The ventilation, which is produced by a ten-foot fan, is only fair. The drainage is good. The roof is a bone coal and is good. Timbering is good. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of five pounds capacity. The second opening fully complies with the law. Blankets and stretchers are kept on hand. With present development this mine is capable of producing 300 tons per day.

This mine was reported last year as Irona No. 1 Mine, No. 192 of the printed report.

T. R. SPENCER, Supt.

CLAUD STARR AND

J. F. WATKINS, Mine Foremen.

IRONA COAL CO.

Series No. 313. *Irona No. 2 Mine.*—This mine is located two miles west of Kingwood on the W. Va. N. R. R., and on Morgans Run. It is a drift opening operating the Upper Freeport seam on double entry system. The ventilation is produced by two furnaces, one on the north and one on the south of the mine, which produce two distinct currents of air and make the ventilation very satisfactory at the present. The drainage is good. The second opening fills the requirement of the law. The coal is hauled to the tippie out of this mine by rope haulage and also hauled out of No. 1 by rope haulage. With the present development and equipment this mine is capable of producing 400 tons per day.

This mine was reported last year as Irona No. 2 Mine, No. 193 of the printed report.

T. R. SPENCER, Supt.

CLAUD STARR AND

J. F. WATKINS, Mine Foremen.

KINGWOOD COAL CO.

Series No. 315. *Howesville Mine.*—This mine is located on the W. Va. N. R. R., five miles west of Kingwood. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation produced by a furnace has not always been satisfactory but has been somewhat improved under the present mine management. The roof is a hard sand-rock. The drainage and general safety are very good. The powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of fair quality, rules are posted, blankets and stretchers kept on hand. The coal is undercut by compressed air with the puncher machine. The coal is hauled by mule power. With the present mine development and a full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Howesville Mine, No. 197 of the printed report.

W. B. EDWARD, Supt.

CHAS. MARTIN, Mine Foreman.

ATLANTIC COAL & COKE CO.

Series No. 316. *Atlantic Mine.*—This mine is located three miles north-east of Tunnelton on Pringles Run. It is a drift opening operating the

Upper Freeport seam on the double entry system. The ventilation produced by a sixteen-foot fan is very good, and fairly well distributed throughout the mine. The drainage is good. The roof is good, being a hard sand-rock. The oil used for illuminating purposes is of a fair quality. Powder is taken into the mine in cans of five pounds capacity. The second opening meets the requirements of the law. With present development and a full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Atlantic Mine, No. 203 of the printed report.

OLIVER McINTIRE, Supt.

N. H. HACKER, Mine Boss.

OAKLAND COAL & COKE CO.

Series No. 317. *Corinth Mine*.—This mine is located at Corinth on the B. & O. R. R., and on Snowy creek. It is a drift opening operating the Upper Freeport seam, partly on the double entry system. There are two openings at this plant connected underground. The ventilation produced by a twelve-foot fan has never been very satisfactory. I recommended there be an air shaft sunk at the back of second right heading in the second opening which will make the ventilation all right in this section of the mine. On my last visit the air shaft was nearly completed. Shooting on the solid is practiced in this mine. I recommended they use a safety powder for blasting the coal. About six months ago the crusher and washer at this mine burned down, and the mine has not been in operation since. With present development and full force of men, this mine is capable of producing 300 tons per day.

This mine was reported last year as Corinth Mine, No. 196 of the printed report.

S. H. JORDAN, Supt.

WM. BURKE, Mine Foreman.

MERCHANTS COAL CO.

Series No. 318. *Tunnelton No. 1 Mine*.—This mine is located at Tunnelton on the B. & O. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. This mine has not been in operation for some months. They are making a final robbing of the pillars, preparatory to abandonment. The roof is a hard sand-rock. The drainage is only fair. The ventilation is natural and is fair.

This mine was reported last year as Tunnelton No. 1 Mine, No. 194 of the printed report.

T. BARBER, Supt.

THOMAS CLARK, Mine Foreman.

Series No. 319. *Tunnelton No. 2 Mine*.—This mine, located at Tunnelton on the B. & O. R. R., is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation produced by a sixteen-foot fan has always been fairly good. The roof is generally sand-rock except in some parts of the mine where it is a soft slate and somewhat dangerous, it is very well timbered and looked after. The drainage was rather bad on my last visit to this mine. This mine is now connected underground with No. 3 opening. The powder is carried into the mine

in cans of five pounds capacity. The second opening meets the requirements of the law. These mines have not been in operation for several months on account of the employes striking against a reduction of wages. With the present development and equipment and a full force of men this mine is capable of producing 1,000 tons per day.

This mine was reported last year as Merchants Mine No. 2, No. 195 of the printed report.

GEO. CUMMINGS, Sr., AND

G. M. RENSHAW AND

F. T. BARBER, Supts.

J. W. WATKINS, Mine Foremen.

GORMAN COAL & COKE CO.

Series No. 321. *West End No. 1 Mine.*—This mine is located on the B. & O. R. R. near Austen, and on Raccoon creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is natural and is only fair. This opening is connected with No. 1 opening of this plant. The coal is all hauled out of No. 4 and No. 1 opening is abandoned. The drainage is good. The roof is a sand-rock and is good. The second opening meets with the requirements of the law. With present development this mine is capable of producing 100 tons per day.

This mine was reported last year as Gorman No. 4 Mine, No. 191 of the printed report.

GEO. ALEXANDER AND

JOHN WELCH, Mine Boss.

F. M. MURPHY, Supts.

Gorman No. 1 Mine.—This mine is located on the B. & O. R. R., one mile west of Tunnelton. It is a drift opening operating the Upper Freeport seam on the double entry system. This mine has worked but very little the last year. The ventilation produced by a small furnace was rather poor, on my last visit to this mine. The management was making an effort to improve the conditions, as I found several men working ahead of air on a previous visit and ordered them out of the mine. The roof is a slate and fairly good. The drainage is fair. The second opening meets the requirements of the law. With present development this mine is capable of producing 50 tons per day.

This mine was reported last year as Gorman No. 1 Mine, No. 189 of the printed report.

GEO. ALEXANDER, Supt.

B. F. WILLIAMS, Mine Boss.

Series No. 322. *No. 2 Mine.*—This mine is located on the B. & O. R. R., and on Raccoon creek, near Austen. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a ten-foot fan and is very well distributed throughout the mine. There is considerable improvement in this mine in the ventilation by the main air course being cleaned out and the stoppings repaired. The roof is good, being a hard sand-rock. The drainage is good. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of five pounds capacity. The second opening meets the requirements of the law. With the present development and equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as Gorman No. 2 Mine, No. 190 of the printed report.

GEO. ALEXANDER AND
F. M. MURPHY, Supts.

JOHN WELCH, Mine Boss.

AUSTEN COAL & COKE CO.

Series No. 323. *Austen No. 1 Mine.*—This mine is located on the B. & O. R. R., and on Raccoon creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a ten-foot fan and is only fair. The air course now being driven, when completed, will make the ventilation all that can be desired. The drainage is fair. The roof is a soft slate and rather dangerous, but is well timbered and looked after. The coal is undercut with electric chain machines. The coal is hauled to the tippie with electric motor. The powder is carried into the mine in cans of five pounds capacity. Blankets and stretchers are kept on hand. With present development and equipment this mine is capable of producing 300 tons per day.

This mine was reported last year as Austen Mine No. 1, No. 186 of the printed report.

F. W. HORCHLER, Supt.

A. R. MURPHY, Mine Foreman.

Series No. 324. *Austen No. 2 Mine.*—This mine is located on Raccoon creek four miles east of Newburg. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation produced by an eight-foot fan has always been very good and well distributed throughout the mine. The drainage is first class. The roof is principally a hard sand-rock. In some sections the roof is slate and very treacherous, but is well looked after and timbered. The powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of fair quality. Rules are posted, blankets and stretchers kept on hand. With present development and equipment this mine is capable of producing 400 tons per day. The second opening meets all the requirements of the law.

This mine was reported last year as Austen Mine No. 2, No. 187 of the printed report.

F. W. HORCHLER, Supt.

G. R. COOK, Mine Foreman.

HITE COAL & COKE CO.

Series No. 325. *Dixie Mine.*—This mine is located on the B. & O. R. R., and on Raccoon creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a furnace and has always been found very good. The drainage and general safety is very good. The roof is good, being a hard sand-rock. The powder is carried into the mine in cans of five pounds capacity. The oil for illuminating purposes is of a fair quality. The second opening meets the requirements of the law. This mine has not been in operation very much in the last nine months. With present development

and a full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as Dixie Mine, No. 198 of the printed report.

R. M. HITE, Supt.

ALF. FORTNEY, Mine Foreman.

ORR COAL & COKE CO.

Series No. 326. *Vulcan Mine*.—This mine is located four miles east of Newburg on the B. & O. R. R., and on Raccoon creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a twelve-foot fan and is fairly good. The drainage is good. The roof in this mine in some parts is sand-rock and is good, and in some places is a treacherous slate but is well timbered. The powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of a fair quality. The coal is undercut by compressed air machines of the puncher type. The coal is hauled on the inside with ponies and mules to a side track, and is hauled from the side track to the tippie with rope haulage. The second opening meets the requirements of the law. With the present development and equipment this mine is capable of producing 350 tons per day.

This mine was reported last year as Vulcan Mine, No. 199 of the printed report.

J. M. ORR, Supt.

F. E. DAWSON, Mine Foreman.

HAMILTON COAL & COKE CO.

Series No. 327. *Newburg Shaft*.—This mine is located at Newburg on the B. & O. R. R. It is a shaft one hundred and seventy feet deep operating the Upper Freeport seam on the double entry system. The ventilation is produced by a twenty-foot fan and has always been found very good and well distributed throughout the mine. The roof is a hard sand-rock. The drainage is fair. This mine liberates some fire-damp and it was deemed best to use safety lamps exclusively, but owing to the good ventilation there is no standing gas found. This mine has not been shipping any coal for some time. There are five miners working for the purpose of furnishing boiler coal. The company is pumping the water out of the shaft in order to reopen the Lower Kittanning seam. With present development this mine is capable of producing 200 tons per day.

This mine was reported last year as Newburg Shaft, No. 188 of the printed report.

F. A. HUSTED, Supt.

E. L. GRIFFITH, Mine Foreman.

J. W. GRIMM, Fire Boss.

THE MANUFACTURERS COAL & COKE CO.

Series No. 328-329. *Victoria Nos. 1 and 2 Mines*.—These mines are located on Three Fork creek one mile north of Hardman, on the B. & O. R. R. No. 1 is a drift opening operating the Lower Kittanning seam but has not been in operation for the last three years.

No. 2 is a slope opening operating the Lower Kittanning seam partly on the triple entry system. The ventilation is produced by a ten-foot fan and is fairly good. This mine liberates explosive gas in dangerous quantity and requires very careful handling. This mine was put on safety lamps exclusively and shot firers put on. There are no shots allowed fired during the day, all firing is done at night after all the men are out of the mine except the shot firer. The roof is very good, being a hard slate. The drainage is good, except on some of the haulways. The second opening meets the requirements of the law. With present development and a full force of men this mine is capable of producing 300 tons per day.

These were reported last year as Victoria Nos. 1 and 2 Mines, Nos. 200 and 201 of the printed report.

A. J. BONNAFIELD, Supt.

JOHN HUMPHREY, Mine Foreman.

JOHN PURINTON AND

GEO. RYLES, Fire Bosses.

PENNSYLVANIA CONSOLIDATED COAL CO.

Series No. 330. *Shrader Mine*.—This mine is located on Three Fork creek, one and one-half miles north of Hardman on the B. & O. R. R. This is a drift opening operating the Lower Kittanning seam on the double entry system. This mine has not been in operation during the last year.

This mine was reported last year as Shrader Mine, No. 202 of the printed report.

TAYLOR COUNTY.

WINONA COAL & COKE CO.

Series No. 333-334. *Winona Nos. 1 and 2 Mines*.—These mines are located at Coffman, seven miles west of Grafton on the B. & O. R. R. They are drift openings. No. 1 is operating the Mahoning seam on the double entry system. The ventilation is produced by a furnace and is fairly good. The drainage is good. The roof is a hard slate and is good. The powder is carried into the mine in cans of five pounds capacity. The oil used is of fair quality. Rules are posted, blankets and stretchers kept on hand. With the present development and a full force of men this mine is capable of producing 150 tons per day.

No. 2 is operating the Lower Freeport seam on the double entry system. The coal in this opening is rather dirty. The company is driving prospect headings and air courses in hopes the coal will get better in the near future.

These mines were reported last year as Winona Mines Nos. 1 and 2, Nos. 153 and 154 of the printed report.

F. T. ROWLAND, Supt.

WM. GANTZ AND

ADAM WHITEHEAD, Mine Bosses.

BESSEMER COAL & COKE CO.

Series No. 335-336. *Bush Nos. 1 and 2 Mines*.—These mines are located four miles west of Grafton on the B. & O. R. R., and are drift openings.

They have not been in operation the last two years. The officials are unknown to me.

These mines were reported last year as Bush Nos. 1 and 2, Nos. 157 and 158 of the printed report.

L. B. BRYDON.

Series No. 337. *Brydon Mine.*—This mine is located six miles west of Grafton on the B. & O. R. R. It is a drift opening operating the Pittsburg seam. The ventilation is natural and very poor. This mine is nearly worked out. The drainage is bad on the haulways. The roof is a soft slate and is bad. Timbering is fair. The oil used is fair quality. The second opening meets the requirements of the law. This mine has not been in operation much the past year, and was only inspected once by me. With the present equipment and a full force of men this mine is capable of producing 50 tons per day.

This mine was reported last year as Brydon Mine, No. 147 of the printed report.

W. S. BRYDCN, Supt.

GUY LAKE, Mine Boss.

McGRAW COAL CO.

Series No. 338. *New York No. 1 Mine.*—This mine is located at Simpson, seven miles west of Grafton on the B. & O. R. R., and on Simpsons creek. It is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is natural in some parts of the mine. There is a small furnace which ventilates a small part of the mine. This furnace caught on fire last February and burned down and set the mine on fire. After considerable effort we succeeded in bratticing the fire off. We used brick and cement for brattice. This mine has not been in operation since it caught on fire. The company is installing an up-to-date electric plant and the coal will be hauled to the head of the incline plane in the future by electric motors, and the mine ventilated by an electric fan. On my last visit to this mine the company had nearly completed the improvements and will resume operations in the very near future. The roof in this mine is a slate but is fairly good. They encounter clay veins rather frequently in this mine, and when these faults are encountered, they liberate explosive gas in small quantities. With the present development and a full force of men this mine is capable of producing 800 tons per day.

This mine was reported last year as No. 41 Mine, No. 149 of the printed report.

H. H. HARRISON AND

OLIVER JENKINS, Mine Boss.

JOHN MALOY, Supts.

GRAFTON COAL & COKE CO.

Series No. 339. *Sand Lick Mine.*—This mine is located near Simpson, eight miles west of Grafton on the B. & O. R. R. It is a drift opening operating the Pittsburg seam on the double entry system. It is partly ventilated by a furnace and partly by natural ventilation. There is a

number of places driven out to the crop which makes the ventilation fair. This is a pick mine. The coal is hauled out of the mine by horse power and lowered down an incline plane five hundred feet to the tipple. The work in this mine is principally pillar work. The roof is fairly good throughout the mine. The oil used for illuminating purposes is of a very fair quality. Drainage is only fair. The haulways are very muddy. Rules are posted. The second opening meets the requirements of the law. With the present equipment and a full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as Sand Lick Mine, No. 145 of the printed report.

E. J. FAHEY, Supt.

JOHN MCGRAW, Mine Boss.

MARYLAND COAL CO.

Series No. 340-341-342. *Wendel Nos. 1, 2, 3 and 4 Mines.*—These mines are located eleven miles west of Grafton on a branch of the B. & O. R. R., and near Simpson. There are four distinct openings at this plant. All operating the Pittsburg seam on the double entry system. The ventilation in No. 1 is produced by a seven-foot fan. Nos. 2 and 3 are ventilated by four and one-half-foot fans. Nos. 2 and 3 are connected underground. No. 4 is ventilated by a four-foot fan. The ventilation in each of these openings is very good. The coal is undercut by electric machines and is hauled along a tramroad to the tipple and is all dumped over the same tipple. The roof in these mines is slate and fairly good, and is well timbered. The powder is carried into the mines in cans of five pounds capacity. The oil used for illuminating purposes is of a fair quality. The drainage is good, rules are posted, blankets and stretchers kept on hand. The second opening in each of these openings meets all the requirements of the law. With the present development and a full force of men this plant is capable of producing 1,200 tons daily.

This plant was reported last year as Wendal Mine, No. 151 of the printed report.

GEO. S. BRACKETT, Supt.

AUGUST RICKER, Mine Foreman.

T. B. DAVIS.

Series No. 343. *T. B. Davis Mine.*—This mine is located ten miles west of Grafton on the B. & O. R. R. It is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is produced by a small furnace, and is not satisfactory. The coal in this mine is very faulty, very few places being clear of faults. The drainage is fair. The roof is good. The ventilation is poor. The rooms and headings in some instances are driven beyond the limit prescribed by law, for breakthroughs. I ordered the men out who were found working in these places. This is a pick mine. The coal is hauled by rope haulage. The powder is carried into the mine in cans of five pounds capacity. The oil used is of a fair quality. The second opening meets all the requirements of the law. With the present development this mine is capable of producing 200 tons per day.

This mine was reported last year as T. B. Davis Mine, No. 148 of the printer report.

W. R. DAVIS AND

WM. DRAINER, Mine Boss.

W. B. WOLF, Supts.

PITTSVEIN COAL CO.

Series No. 344. *Flemington Nos. 2 and 4 Mines.*—These mines are located at Flemington on the B. & O. R. R., twelve miles east of Clarksburg. They are drift openings operating the Pittsburg seam on the double entry system. The ventilation in No. 2 is natural at this time, the company having removed the fan from No. 2 and installed it in No. 4 opening. No. 2 opening is all pillar work preparatory to abandonment. No. 4 is ventilated by a seven-foot fan and the air is well distributed throughout the mine. The roof in this opening is fairly good. They leave a head coal which makes the roof fairly safe. The coal is cut with electric machines and hauled with electric motors. The powder is carried into the mine in cans of five pounds capacity. The oil used is of a very fair quality. The second opening meets all the requirements of the law. Blankets and stretchers are kept on hand. With present development and a full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as Flemington, No. 146 of the printed report.

J. W. DAVIDSON, Supt.

G. R. W. JOHNSON, Mine Boss.

ROSEMONT COAL CO.

Series No. 345. *Rosemont Mine.*—This mine is located eleven miles east of Clarksburg on the B. & O. R. R. It is a drift opening operating the Pittsburg seam on the double entry system. This mine is partly ventilated by a furnace, and partly by natural ventilation, and is very fair except on the first right heading where it was somewhat sluggish. The superintendent's attention was called to this and he agreed to remedy the ventilation in this heading at once. At present this is a pick mine but the company is installing an electric plant, and the coal will be undercut in future by electric machines and hauled to the head of the incline plane, where it will be lowered about eight hundred feet to the tippie. The roof in this mine is fairly good and very well timbered. The powder is carried into the mine in cans of five pounds capacity. Rules are posted, blankets and stretchers kept on hand. The second opening meets all the requirements of the law. With the present development and a full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as Rosemont Mine, No. 150 of the printed report.

JAMES STARFORD, Supt.

FRANK SAVAGE, Mine Foreman.

CLARKSBURG FUEL CO.

Series No. 346. *Tyrconnell Mine.*—This mine is located eleven miles east of Clarksburg on the B. & O. R. R. It is a drift opening in the

Pittsburg seam. This mine has not been in operation for several years.

This mine was reported last year as Tyrconnell Mine, No. 159 of the printed report.

ROBERT LOVE, SR., Supt.

HARRISON COAL CO.

Series No. 347. *Harrison Mine*.—This mine is located ten miles east of Clarksburg on the B. & O. R. R. It is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is natural and very poor. The cross cuts were not driven the proper distance apart. The roof is fairly good. It is a slate and is fairly well timbered. The powder is carried into the mine in cans of five pounds capacity. The oil used is of a fair quality. The drainage is good. Owing to the very bad ventilation, I ordered a number of the men out until the mine was properly ventilated and I recommended the first right heading be driven to the outcrop, as it only lacked about fifty feet from the outside, and a fan or furnace installed at once. The coal is hauled out of this mine with horses, to the head of an incline plane. It is then lowered down the plane eighteen hundred feet to the tippie.

This is a new operation started within the last year.

H. G. SMITH, Supt.

DAVID SMITH, Mine Boss.

MOHAWK SMOKELESS COAL CO.

Series No. 348. *Stone House Shaft*.—This shaft is located six miles south of Grafton on the G. & B. R. R. This mine has not been in operation the last year.

This mine was reported last year as Stone House Shaft, No. 156 of the printed report.

Officials not known.

CECIL COAL & COKE CO.

Series No. 349. *Cecil Mine*.—This mine is located at Cecil, seven miles south of Grafton on the G. & B. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. This mine is ventilated by a small furnace, which gives only fair results. The coal is rather poor quality and very faulty. The roof is a hard slate and fairly good. This mine is not very extensively developed. The company has been driving prospect headings, and at the present time it is closed down indefinitely.

This mine was reported last year as Cecil, No. 152 of the printed report.

W. F. JONES, Supt.

G. B. SKINNER, Mine Boss.

OVERHOLT COAL & COKE CO.

Series No. 350. *Overholt Mine*.—This mine is located seven miles south of Grafton, on the west side of the Valley river and on the line of the B. & N. R. R. This has not been in operation for the last two years. It is opened in the Lower Freeport seam.

This mine was reported last year as Overholt Mine, No. 155 of the printed report.

BARBOUR COUNTY.

LAUREL CREEK COAL CO.

Series No. 351. *Laurel Creek Mine*.—This mine is located nine miles north of Philippi on the G. & B. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation produced by a fire-basket is fairly good for the number of men employed. The roof is a very hard slate, and is good throughout the mine. Timbering is fair. The drainage is good. Some sections of the mine are somewhat dry and dusty, but it is fairly well watered. The powder is carried into the mine in cans of five pounds capacity. The second opening fully complies with the law. The coal is undercut with picks. With present development and a full force of men this mine is capable of producing 200 tons per day.

This mine was reported last year as Laurel Creek Mine, No. 66 of the printed report.

W. S. BRYDEN, Supt.

C. B. TRIMBLE, Mine Foreman.

TYGARTS RIVER COAL CO.

Series No. 352. *Arden Mine*.—This mine is located eight and one-half miles north of Philippi on the G. & B. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation produced by a twelve-foot fan has always been found fairly good. The roof is a very hard slate and is excellent. This mine is very dry and somewhat dusty on some of the haulways. Timbering and drainage are good. The oil used for illuminating purposes is of fair quality. Powder is all carried into the mine in cans of five pounds capacity. Rules are posted and blankets and stretchers kept on hand. The coal is undercut by compressed air machines. The general safety of this mine is fairly good. The new mine law has not been fully complied with. At my last visit the mine had not been running very steady for some time and no records of the ventilation kept. With the present mine development and a full force of men this mine is capable of producing 500 tons daily.

This mine was reported last year as Arden Mine, No. 64 of the printed report.

CHAS. A. COOK, Supt.

ALF. WOODS, Mine Foreman.

MIDLAND COAL & COKE CO.

Series No. 353. *Midland Mine*.—This mine is located at Hackers Junction on the Berryburg Branch of the G. & B. R. R. It is a shaft, operating the Upper Freeport seam on the double entry system. The ventilation is produced by a ten-foot fan and has always been found very good. This mine is very wet at present, on account of its being a new opening, but the drainage is very good. It has an excellent roof, being very hard slate and very well timbered. The coal is undercut with electric machines. The powder is carried into the mine in cans of five pounds capacity. The oil sold by the operating company is of a fair quality. On my last visit to this mine I found some of the employes

using mixed oil. Blankets and stretchers are kept on hand. The second opening fully complies with the law. With the present development and equipment and a full force of men this mine is capable of producing 300 tons daily.

This mine was reported last year as Midland Mine, No. 77 of the printed report.

W. J. GILMORE, Supt.

WM. KOOSER, Mine Foreman.

FAIRMONT COAL CO.

Series No. 354. *Berryburg Mine*.—This mine is located about six miles northwest of Philippi on the Berryburg Branch of the G. & B. R. R. It is a drift opening operating the Pittsburg seam on the double entry system. The ventilation is produced by an eleven-foot fan and is fairly good except on the north side of the mine where the ventilation is somewhat sluggish. I recommended there be another fan installed to ventilate the north side, and I understand there has been a fan installed of recent date for this purpose. This mine is dusty in some sections, but it is kept fairly well watered. This mine liberates considerable fire damp in the main southwest section, but is well looked after and apparently every precaution taken to prevent any accident. The roof is a soft slate and treacherous, but is very well timbered. So far as I could see, the management is trying to comply with the mining law. With the present development and a full force of men this mine is capable of producing 1,800 tons per day.

This mine was reported last year as Berryburg Mine, No. 65 of the printed report.

W. W. FURGUSON, Supt.

LEE COTRILL, Mine Foreman.

P. L. DILLON AND

A. A. SHAW, Fire Bosses.

PHILIPPI COLLIERIES CO.

No. 355-356. *Nos. 1 and 2 Mines*.—This mine is located one and one-half miles north of Philippi on the G. & B. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. This mine is ventilated by a sixteen-foot fan and the ventilation is fairly well distributed throughout the mine. This mine is very dry and dusty. On my first visit to this mine I found the haulways very dusty and the officials of the mine throwing the cuttings from the cutting machines along the headings. I ordered it stopped at once and the dust hauled to the outside, and the rooms and headings thoroughly watered, which was done. This mine has an excellent roof and is well timbered. The drainage is good. The coal is cut with electric machines. The oil used for illuminating purposes is of a fair quality. The powder law is fully complied with. Blankets and stretchers are kept on hand. This mine has not been in operation for some two or three months.

These mines were reported last year as Nos. 59, 60, 61 and 62 of the printed report.

C. W. SANDRIDGE, Supt.

H. D. HURSHMAN, Mine Boss.

Series No. 359. *No. 5 Mine.*—This mine is located one and one-fourth miles north of Philippi on the G. & B. R. R. It is a drift operating the Mahoning seam on the double entry system. The ventilation is produced by a furnace and is fairly good. The roof is a very hard slate and is good. Drainage is good. The mining is done with electric machines. The mine is dry and somewhat dusty. This mine has not been in operation for the last six months.

This mine was reported last year as Meriden, No. 63 of the printed report.

C. W. SANDRIDGE, Supt.

O. M. MALCHOM, Mine Foreman.

GRAFTON FUEL CO.

Series No. 360. *Lillian No. 1 Mine.*—This mine is located five miles north of Philippi on the G. & B. R. R. It is a drift opening operating the Mahoning seam on the double entry system. The ventilation produced by a fire-basket has not always been satisfactory. The management informed me that the company will install a fan in the near future. This mine is dry and dusty and I had to insist on having the dust thoroughly watered. The roof is excellent, being a very hard slate. The drainage is good. Powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of very fair quality. The coal is undercut by machines of the puncher type. The coal is hauled by mules to the head of an incline plane, of about two hundred feet to the tippie. Rules are posted and blankets and stretchers kept on hand. With the present development and a full force of men this mine is capable of producing 200 tons daily.

This mine was reported last year as Lillian No. 1, No. 69 of the printed report.

W. S. BRYDON, Supt.

F. V. ROBINSON, Mine Foreman.

Series No. 361. *Lillian No. 2 Mine.*—This mine is located five miles north of Philippi on the G. & B. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The coal in this mine is very faulty and dirty. The ventilation produced by a fire-basket has never been satisfactory. The drainage is good. Shooting on the solid is practiced to some extent. Powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of very fair quality. There has been a new opening made into this mine within the last six months which makes the second opening fully comply with the law which it did not do before. With the present development and a full force of men this mine is capable of producing 100 tons per day.

This mine was reported last year as Lillian No. 2, No. 70 of the printed report.

W. S. BRYDON, Supt.

F. V. ROBINSON, Mine Foreman.

Series No. 362. *Lillian No. 3 Mine.*—This mine is located five miles north of Philippi on the G. & B. R. R. It is a drift mine opened in the Lower Freeport. It has not been in operation the past year and was never inspected by me.

This mine was reported last year as Lillian No. 3, No. 71 of the printed report.

W. S. BRYDON, Supt.

PENNSYLVANIA FUEL CO.

Series No. 362. *Volga No. 1 Mine.*—This mine is located two miles from Lemly Junction on the Buckhannon Branch of the G. & B. R. R. This mine is worked by a shaft, but has not been in operation at any time I have visited, and I understand is abandoned for the present.

This mine was reported last year as Volga No. 1 Mine, No. 76 of the printed report.

THE CENTURY COAL CO. OF WEST VIRGINIA.

Series No. 364. *Century No. 2 Mine.*—This mine is located four miles from Lemly Junction on the Buckhannon Branch of the G. & B. R. R. It is a drift opening operating the Redstone seam on the double entry system. The ventilation produced by a furnace is only fair. The company purposes on installing an electric plant and fan in the near future. The drainage is good. The roof is a rather hard slate and is fairly good and very well timbered. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of five pounds capacity. Shooting on the solid is practiced to some extent. The management assured me on my last visit, they would endeavor to have all coal mined and solid shooting prohibited. The company expects to connect this mine with No. 1 in the future and are driving entries from No. 1 mine at present for this purpose. With the present mine development and equipment this mine is capable of producing 150 tons per day.

This mine was reported last year as Century No. 2, No. 68 of the printed report.

JOHN STROTHER, Supt.

ED. WILLIAMS, Mine Foreman.

Series No. 365. *Century No. 1 Mine.*—This mine is located six miles from Lemly Junction on the Buckhannon Branch of the G. & B. R. R. It is a shaft opening operating the Redstone seam on the triple entry system. The ventilation produced by a thirteen and one-half-foot fan has always been found very good. Each section of the mine is ventilated by separate and distinct divisions of air. There are some twenty-five splits in the air current. Some sections of this mine liberate considerable fire damp. The stoppings on the main headings are all built with concrete and in good condition. The roof throughout this mine is fairly good with few exceptions. The drainage is fair. Oil used for illuminating purposes is of very fair quality. A large portion of the coal is undercut by electric machines. Shooting on the solid by the so-called pick miners is practiced almost exclusively, and the Inspector found it necessary for the safety of the employes and the protection of property, to insist that a safety powder be used exclusively for blasting purposes. With the present development and equipment this mine is capable of producing 1,600 tons per day.

This mine was reported last year as Century Shaft No. 1, No. 67 of the printed report.

JOHN STROTHER, Supt.

ED. WILLIAMS, Mine Foreman.

JOHN PARKUS,

MARTIN HULY AND

ADAM ROSCAIRCK, Fire Bosses.

THE PENNSYLVANIA COAL & MINING CO.

Series No. 366. *Adma Mine*.—This mine is located nine miles south of Philippi on the G. & B. R. R. It is a drift opening in the Lower Freeport seam, and has not been in operation in the last year and was never inspected by me.

This mine was reported last year as Adma Mine, No. 72 of the printed report.

CLEMENTS COAL & COKE CO.

Series No. 367. *Clements Mine*.—This mine is located twelve miles south of Philippi on the G. & B. R. R. It is a drift opening in the Lower Freeport seam. It has not been in operation in the last year and never was inspected by me.

This mine was reported last year as Clements Mine, No. 79 of the printed report.

VALLEY COAL & COKE CO.

Series No. 368. *Valley Mine*.—This mine is located one and one-half miles north of Belington on the B. & N. R. R. It is a drift opening in the Upper Freeport seam. It has not been in operation during the last year, and was never inspected by me.

This mine was reported last year as Valley Mine, No 78 of the printed report.

MILLER COAL & COKE CO.

Series No. 369. *Sara Mine*.—This mine is located three-quarters of a mile south of Junior on the W. M. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation produced by a fourteen-foot fan has always been found good. The drainage is fair. Timbering is very good. The oil used is of a good quality. The coal is mined with picks and hauled by motor to the tippie. The powder is carried into the mine in cans of five pounds capacity. Rules are posted, blankets and stretchers kept on hand. With the present development and equipment and a full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Sara Mine, No. 75 of the printed report.

J. W. S. MILLER, Supt.

H. C. HUSKINS, Mine foreman.

DAVIS COAL & COKE CO.

Series No. 370. *No. 4 or Dartmoor Mine*.—This mine is located three miles south of Belington on the W. M. R. R. It is a drift opening in

the Upper Freeport seam. It has not been in operation the last year and was never inspected by me.

This mine was reported last year as No. 4, or Dartmoor Mine, No. 74 of the printed report.

W. W. BREWER, Supt.

Series No. 371. *No. 3 Mine.*—This mine is located seven and one-half miles southeast of Belington on the Belington & Beaver Creek R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is natural and on my last visit it was very satisfactory. There are a number of places driven out to crop, and the circulation was very good. I was informed by the management that the company purposed installing a fan in the very near future. The roof in this mine is very good. The drainage is good and general safety is fair. The powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of a rather inferior quality. Rules in several different languages are posted. The second opening meets the requirements of the law.

This mine was reported last year as No. 3 Mine, No. 73 of the printed report.

W. W. BREWER, Supt.

J. H. DAVIS, Mine Foreman.

DAVIS COLLIERY CO.

Series No. 372. *Junior No. 1 Mine.*—This mine is located at Junior, five miles northeast of Belington on the W. M. R. R. It is a drift opening operating the Upper Freeport seam on the double entry system. The ventilation is produced by a six-foot fan and is very well distributed throughout the mine. The roof is rather bad. Timbering is fairly good. Drainage is fair. The powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of a fair quality. Rules are posted, blankets and stretchers kept on hand. This mine has not been in operation for the past three months. This mine with the present development and a full force of men is capable of producing 500 tons per day.

This mine was reported last year as No. 4 Mine, No. 58 of the printed report.

L. JOHNSON, Supt.

J. N. RILEY, Mine Foreman.

FOURTH DISTRICT.

GENERAL SUMMARY OF THE FOURTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.									Production of	
			Inside.					Outside.				Coal.	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	Sum Totals.	(Tons of 2,240 lbs.)	(Tons of 2,000 lbs.)
Grant.....	3	.....	106	130	34	82	352	47	....	47	399	242,442	.....
Mineral.....	20	3	599	36	6	112	753	127	....	127	880	622,295	.....
Randolph.....	8	3	450	.....	.....	92	542	68	135	203	745	545,803	129,273
Tucker.....	14	7	761	33	6	292	1,092	148	149	297	1,389	920,568	149,229
Totals.....	45	13	1,916	199	46	578	2,739	390	284	674	3,413	2,331,108	278,502

OFFICE OF THE FOURTH DISTRICT MINE INSPECTOR,

Flemington, W. Va., September 10, 1908.

HON. J. W. PAUL,

Chief of the Department of Mines,
Charleston, W. Va.

DEAR SIR:—I herewith submit to you my annual report as Inspector of Mines of the Fourth District of West Virginia for the year ending June 30, 1908.

During my incumbency of the office, which has been for the last four months, of the year 1908, I desire to say that on assuming the duties of the office, I found the mines of this district, at least many of them, in rather a deplorable condition, several of them running with but one opening or outlet, and quite a number in and around Thomas, W. Va., had been very badly neglected, and a few of them were absolutely dangerous, and without sufficient ventilation.

Some of the coal companies were apparently indifferent or careless as to the requirements of the mine law.

Miners were permitted to burn any and all kinds of oil, also permitted to carry powder and other explosives into the mines in a very reckless and unlawful manner, in whole cans, holding twenty-five pounds each, also in sacks and buckets.

The writer went to work honestly (but firmly), treating both operator and miner fairly, to bring about a change of such dangerous practices in the mines of this district. I have prosecuted both managers and miners for such violations of law, which I am pleased to report, has

very materially changed such conditions. I am also pleased to say that I have had the cooperation of the coal companies and also the miners in this work. I have also had the assistance of the officers of the law, and hope by the end of the year 1909, to do much more for the mining industry of the great State of West Virginia.

With the present spirit exemplified upon the part of all concerned, I feel that the present law is sufficient to protect the lives of the miners and the property of the coal companies, therefore I have no suggestions for further amendments to the law, especially until the Supreme Court has had time to pass upon the constitutionality of certain sections of the present law.

I hereby extend my sincere thanks to both operator and miner for their kind treatment, and to you personally I extend my sincere thanks for your counsel and advice.

Respectfully yours,

J. A. SPRINGER.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 430 indicates the Fourth District and number 30 mine.

CONDITION OF THE MINES IN THE FOURTH DISTRICT.

RANDOLPH COUNTY.

DAVIS COAL & COKE CO.

Series No. 401. *No. 1 Mine.*—This mine is located on a branch of the W. M. R. R., six miles from Belington, on Beaver creek. It is a drift mine operating what is now called the Kittanning seam of coal. This mine has formerly been reported as Freeport coal, but from all the evidence at my command I conclude it is the Kittanning measure. This mine is operated on the double entry system and is in good shape. Ventilation is produced by a twelve-foot Robinson fan and is well distributed to working face. Drainage is good, roof and timbering good. I found a disposition upon the part of the management to comply with the law in every respect. Second opening meets law requirements.

This mine was reported last year as No. 1 Mine, No. 211 of the printed report.

WALTER BREWER, Supt.

HARLEY DAVIS, Mine Boss.

Series No. 402. *No. 2 Mine.*—This mine is also located on a branch of the W. M. R. R., six miles from Belington. It is a drift mine operating the Kittanning seam (formerly reported Freeport). This mine is worked on the double entry system. The coal is eight and one-half feet thick and of good quality. Ventilation is produced by a twelve-foot fan, and is sufficient, but on my first inspection the air was not properly

distributed to working face. Drainage is good. Roof is fairly good and well looked after. The second opening fully complies with the law. I found everything the law requires at the mine, a fair quality of oil in use, blankets, stretchers, etc., etc., all on hand.

This mine was reported last year as No. 2 Mine, No. 212 of the printed report.

WALTER BREWER, Supt.

G. W. BURKE, Mine Boss.

Series No. 403. *Leiter Mine No. 5.*—At Leiter, on the Coal & Coke R. R. This mine has been idle since I have been in this district, therefore has not been inspected by me. It has been operated, and been reported in the printed report, as the Freeport seam, but I am inclined to believe it is the Kittanning measure. It appears to have been abandoned for the present at least.

This mine was reported last year as Grassy Run, No. 210 of the printed report.

WALTER BREWER, Supt.

DAVIS COLLIERY CO.

Series No. 404. *Coalton No. 1 Mine.*—This mine is located on Roaring creek, and the Coal & Coke R. R., five miles from Roaring Creek Junction. It is a drift mine, operating the Kittanning seam of coal (formerly reported Freeport). It is worked on the double entry system, and is a splendid mine, ventilated by a twenty-foot Robinson fan, and does splendid work. Ventilation is also well distributed to working face. Drainage is good. Roof and timbering are good. I found on my first inspection that miners were in the habit of taking whole kegs of powder into the mine. I promptly arrested the first miner I found and had him fined, which I believe broke up that dangerous practice. I found the management of this mine up to date with all necessary fixtures for the protection of life and limb. Second opening meets law requirements. Blankets, stretchers, etc., etc., all on hand.

This mine was reported last year as No. 1 Mine, No. 208 of the printed report.

F. C. CORNET, Supt.

JOHN CONDRY, Mine Boss.

W. H. GREEN.

Series No. 405. *Klondyke Mine.*—This mine is located on Roaring creek, and on a branch of the Coal & Coke R. R., seven miles from Roaring Creek Junction. It is a drift opening operating the Kittanning seam of coal (formerly reported Freeport), worked on the double entry system, ventilated by furnace which gives fairly good ventilation for a small mine. Drainage is good, roof good. Second opening meets law requirements. A good quality of oil was found at this mine. I found a disposition upon the part of the management to fully comply with the law.

W. H. GREEN, Supt. and Mine Boss.

DAVIS COLLIERY CO.

Series No. 406. *Sivad No. 2 Mine*.—This mine is on a branch of the Coal & Coke R. R., one mile from Roaring Creek Junction. This mine is a drift opening operating the Kittanning seam (formerly reported Freeport), worked on the single entry system, and when inspected by me on my first round, was found to be running in violation of law, as it had but one opening, and was working thirty-five miners. The company's attention was called to the fact, and steps taken to close the mine but written promise was given that they would reduce the number of workmen to the lawful requirement. Time was extended in order to allow the company to make the second opening. This mine is being ventilated by a furnace, which gives fairly good results. Roof is good, drainage fair. Upon my first visit I did not find either blankets or stretchers, mine foreman did not measure the air nor keep any record whatever. Timbering at this mine is fairly good, stoppings were bad. JOSEPH HOYLMAN, Supt. and Mine Foreman.

Series No. 407. *Harding No. 3 Mine*.—This mine is located at Harding, W. Va., on the W. M. R. R. It is a drift opening operating the Kittanning seam (formerly reported Freeport), worked on the double entry system. Ventilation is produced by a ten-foot fan run by electricity, and is not the best method of propelling fans, however, this mine is in fair condition, by reason of overcasting the air and driving it where the men are at work. Drainage is good. Roof is good and well looked after by leaving roof coal the roof is protected. A fair grade of oil was in use at this mine. The second opening meets law requirements. Blankets, stretchers, etc., etc., kept at the mine.

This mine was reported last year as No. 3 Mine, No. 209 of the printed report.

W. S. WILSON, Supt. and Mine Foreman.

Series No. 408. *West No. 5 Mine*.—This mine is located on the Coal & Coke R. R., near Roaring Creek Junction, operating the Kittanning seam of coal on the single entry system. This mine also was running in violation of law, inasmuch as it had but one opening available for ingress and egress. Ventilation was found to be very bad, in fact the Inspector could not get a reading of the air. Drainage good, timbering good. Roof is rather rotten and dangerous by reason of being so near outcrop. It is a drift opening, with an incline 500 feet long to the tipple. This is a new mine and has not been previously reported.

JOSEPH HOYLMAN, Supt. and Mine Boss.

TUCKER COUNTY.

CUMBERLAND COAL CO.

Series No. 409. *No. 5 Mine*.—This mine is the result of abandoning mines No. 3 and 4, as reported in printed report for 1907. They are taking all coal out through No. 5 opening. This mine is located at Douglas, on the W. M. R. R., and is a drift opening operating the Lower

Mine Bosses and demanded to know what could be done, and after consultation it was decided to at once begin to restore the ventilation. Stoppings were very bad. Drainage, good. Doors, bad. Roof, good. Stretchers, blankets, etc., etc., were found at the mine. Oil was bad at this mine, so much that the Inspector was compelled to arrest several miners for burning kerosene.

L. S. McDOWELL, Supt.

SAMUEL HAWKSHAW AND
W. F. REAVES, Mine Bosses.

Series No. 414. *No. 34 Mine.*—This mine is located at Thomas on the W. M. R. R. It is a shaft mine 187 feet deep operating the Lower Kittanning seam on the double entry system. Ventilation was very bad. An old dilapidated fan only ten feet in diameter and very badly out of repair, fly-wheel turning round on the fan shaft, and altogether unfit for such a large mine. The Inspector was very much puzzled at this mine, and demanded that a new fan be installed at once, with the result that written promise was given that such would be done as soon as possible. Drainage in this mine was very bad. Timbering was also very bad and dangerous. Roof dangerous nature and not very well taken care of. An inferior grade of oil was in use at this mine. Some arrests were made at this mine and fines imposed.

L. S. McDOWELL, Supt.

W. F. REAVES AND
M. C. NAIRN, Mine Bosses.

Series No. 415. *No. 36 Mine.*—This mine is located at Coketon on the W. M. R. R., and is a drift opening operating the Lower Kittanning seam on the double entry system. Ventilation is produced by a fifteen-foot fan, which is a good fan, but on account of allowing the airways to become filled up by falls of slate, the air was not propelled to the working face as it should be, also wood stoppings were in very bad shape. Drainage is not what it should be in this mine. Roof is slate, and is bad in many places in this mine. Timbering is bad, so much so, that the Inspector condemned the timbering at the mouth of the pit. All those mines have plenty of openings and in that respect comply with the law. I found all necessary fixtures for the care of miners when accidents happen. I also found a willingness upon the part of the management to do all in their power to comply with the law.

M. L. GARVEY, Supt.

JAMES CHRISTOPHER, Mine Boss.

Series No. 416. *No. 26 Mine.*—This mine is located at Coketon on the W. M. R. R., and is a drift opening operating the Upper Freeport seam on the double entry system. Ventilation is produced by a fifteen-foot fan, and gives good satisfaction and is well distributed to working face. Drainage is good. Roof in some parts of the mine is slate and very dangerous, but is well looked after. I found some miners taking powder in the mine contrary to law, and had them arrested and fined. The second opening did not conform to law requirements on my first visit to this mine. This is a new mine and bids fair to be a good producer of fine coal.

M. L. GARVEY, Supt.

FRANK PELICAN, Mine Boss.

Series No. 417. *No. 37 Mine.*—This mine is located at Coketon on the W. M. R. R., and is a drift mine operating the Lower Kittanning seam on the double entry system. Ventilation is produced by a ten-foot fan, which does not give very good satisfaction for such a large mine, and further because of the worked out condition of the mine. This is an old mine, and evidently has been badly neglected. Roof and timbering are in very bad condition, so bad indeed that the Inspector condemned several entries their entire length and requested that they be retimbered. Drainage in very bad condition. A fair grade of oil in use. Blankets and stretchers kept on hand. There seemed to be an apparent willingness to fully comply with the law.

M. L. GARVEY, Supt.

GEORGE WHITEFIELD, Mine Boss.

Series No. 418. *No. 35 Mine.*—This mine is located at Coketon on the W. M. R. R., and is a drift opening operating the Lower Kittanning seam. This mine was found in a very dangerous condition on my first visit, so much indeed that I called upon you for your assistance. You not being able to come sent Inspector Parsons to aid me in a joint inspection. We found the mine almost entirely without ventilation. The manager was trying to ventilate said mine with a fan located at the mouth of No. 36 mine, nearly five miles from where the miners were working in No. 35 mine, with the airways filled up so badly that one could scarcely climb over the falls of slate. This is an old mine and has been badly neglected. Timbering allowed to become rotten and unsafe. Roof is rather dangerous in many parts of the mine. Drainage is bad in many places. Doors and stoppings in rather bad condition. Inspector Parsons and myself in company with the general manager and mine foreman spent two days trying to reach some feasible way in which to relieve the situation as to ventilation in this mine. Finally we received written promise that a split from a fan placed at the downcast shaft of No. 34 mine was the most practical way to ventilate or relieve No. 35 mine, as those two mines are connected by means of underground workings.

M. L. GARVEY, Supt.

JAMES CHRISTOPHER, Mine Boss.

BEACON COAL & COKE CO.

Series No. 419. *Beacon Mine.*—This mine is located five miles east of Davis, W. Va., on a branch of the W. M. R. R., on Beavers creek. It is a drift opening operating the Lower Kittanning seam on the double entry system. The ventilation is produced by a fourteen-foot fan, and was fairly good. Drainage is good. The roof is soft slate and is of a dangerous nature, but is fairly well timbered. The Inspector found that the law was not complied with in several particulars. Mine foreman was not provided with either anemometer nor record book. The management did not seem to understand what the law required of his company. Time was given to comply with the law or prosecutions would be entered.

W. C. PATTERSON, Supt.

A. R. CLOSE, Mine Boss.

GATZMER COAL & COKE CO.

Series No. 420. *Gatzmer No. 1 Mine.*—This mine is located on a branch road seven miles from Dobbin, W. Va. It is a drift mine operating the Kittanning seam on the double entry system. It is a new mine and is just being developed, is ventilated by a furnace and the air is very poorly distributed. Drainage is not good. Roof rather bad, but is being well looked after. There seemed a willingness upon the part of the management to fully comply with the law.

L. D. GASTIEGER, Supt.

ALEX. WADDELL, Mine Boss.

*GRANT COUNTY.**DAVIS COAL & COKE CO.*

Series No. 421. *Henry No. 22 Mine.*—This mine is located at Henry, on the W. M. R. R., and on the north branch of the Potomac river. This is a shaft mine 198 feet deep to the coal, operating the Upper Freeport seam on the double entry system. Ventilation is produced by a twelve-foot fan, and is fairly good. Drainage is good. The roof is good. The coal is undercut with electric machines. This mine liberates some marsh gas, but not in dangerous quantities. The Inspector found no violations of law, unless it was in not building better stoppings. The management seems to be taking every precaution to protect the lives of their employes. Blankets, stretchers, etc., were found at the mine.

W. J. CHRISTOPHER, Supt.

M. V. MANLEY, Mine Boss.

THOMAS WELCH, Fire Boss.

Series No. 422. *Henry No. 33 Mine.*—This mine is located at Henry on the W. M. R. R., and is a shaft mine 419 feet deep, operating the Lower Kittanning seam on the double entry system. This mine has not been in operation for the past two years, therefore not inspected by me.

W. J. CHRISTOPHER, Supt.

BUFFALO CREEK CUMBERLAND COAL CO.

Series No. 423. *Buffalo Creek No. 1 Mine.*—This mine is located one mile south of Bayard, on the W. M. R. R., and on Buffalo creek. It is a drift opening operating the Lower Kittanning seam on the double entry system. Ventilation is produced by a fifteen-foot fan, and is fairly good. Drainage is fair. The roof is fairly good and well timbered. A fair quality of oil was in use. Blankets, stretchers, etc., were found at the mine.

R. D. WADDELL, Supt. and Mine Foreman.

COTTAGE STREET COAL CO.

Series No. 424. *Cottage Street Mine.*—This mine is located at Bayard on the W. M. R. R. This mine is operating the Upper Freeport seam on the single entry system, and is a small mine, ventilated by a furnace, which was not giving very good satisfaction on my first visit. The Inspector recommended that the furnace be changed from the mouth of the pit to the other side of the mountain, which was done and now

gives better results. Drainage is good. Roof is of a dangerous nature, but is fairly well looked after.

JOHN JOSE, Supt.

C. C. CHENOWETH, Mine Boss.

MINERAL COUNTY.

DAVIS COAL & COKE CO.

Series No. 425. *Tyson No. 10 Mine.*—This mine is located at Elk Garden on a branch of the W. M. R. R., seven miles from Harrison, W. Va. It is a drift opening operating the Tyson seam on the double entry system. Drainage is only fair. Roof is bad but well timbered. This is a new mine and is connected by plane to tipple 1,000 feet long. Ventilated by furnace, which gives good satisfaction, and is well distributed to working face. All law requirements are fully met.

ROBERT GRANT, Supt.

B. S. COLEMAN, Mine Boss.

Series No. 426. *Elk Garden No. 6 Mine.*—This mine is located at Elk Garden on the Elk Garden branch of the W. M. R. R., seven miles from Harrison, W. Va. It is a drift opening operating the big Pittsburg seam. The work in this mine consists in drawing pillars and stumps, preparatory to abandonment. The ventilation is produced by a fifteen-foot fan, and is good. Drainage is good. Roof is of a dangerous nature, but well looked after. All law requirements are fulfilled.

ROBERT GRANT, Supt.

F. WILSON, Mine Boss.

Series No. 427. *Ott. No. 20 Mine.*—This mine is located near Elk Garden on the W. M. R. R. It is a drift opening operating the Lower Kittanning seam on the double entry system. Ventilation is produced by a fifteen-foot fan, and is sufficient, but is very poorly distributed by reason of stoppings not being built of suitable material. Drainage is good. Roof is bad and of a dangerous nature, but fairly well looked after and timbered. This mine liberates some gas, but is very closely watched. Some parts of this mine are very dry, but kept moist by thorough salting. This mine has a rather peculiar history. An explosion occurred in this mine on January 12, 1908, when no one was in the mine and appeared to be of great force, blew down sixteen stoppings and four trap doors and other signs of violence, but no sign of flame when investigation was made on the 14th of January. The explosion expended its force, and on January 14th the mine was in a normal condition. No explanation has yet been given, or any reason assigned for such an explosion. Nobody was found in the mine. This mine is connected to the tipple by plane 500 feet long.

ROBERT GRANT, Supt.

L. D. VAUGHN, Mine Boss.

Series No. 428. *Wabash No. 9 Mine.*—This mine is located on Elk Garden branch of the W. M. R. R., four miles from Harrison, W. Va. It is a drift opening operating the big Pittsburg seam. The work in this mine consists in robbing pillars and drawing stumps. The ventilation is natural and is good. The roof is of a dangerous nature but is well looked after. Drainage is good.

ROBERT GRANT, Supt.

JACOB OTT, Mine Boss.

Series No. 429. *Kittanning No. 15 Mine*.—This mine is located on Elk Garden branch of the W. M. R. R., one mile from Harrison, and on Abrams creek. It is a drift opening operating the Upper Freeport seam. The mine and tippie are connected by a plane 200 feet long. This is a new mine and has not been previously reported. It is ventilated by a furnace, which thus far gives fair results. Roof is fairly good, drainage fair, timbering fairly good. I find a disposition upon the part of the management to comply with the law.

ROBERT GRANT, Supt.

JOHN KILROY, Mine Foreman.

ABRAMS CREEK COAL & COKE CO.

Series No. 430. *Oakmont No. 1 Mine*.—This mine is located on the Elk Garden branch of the W. M. R. R., one mile from Harrison, and on Abrams creek. It is a drift opening operating the Upper Freeport seam on the double entry system. Ventilation is produced by an eight-foot Stine fan, which is a good fan, but was very much handicapped by reason of allowing the aircourse to fill up and the stoppings to become open to such an extent that ventilation at working face was not good. The drainage is fair. Roof is of a very dangerous nature, and not very well taken care of. Parts of this mine are very dry, and not considered very safe unless well watered. The mine and tippie are connected by plane 600 feet long. The management of this mine has shown some indifference as to a full compliance with the law.

THOMAS MACKEY, Supt. and Mine Foreman.

PIEDMONT BRICK & COAL CO.

Series No. 431. *Karr Mine*.—This mine is located one mile east of Piedmont on the B. & O. R. R. It is a drift opening operating the Lower Kittanning seam on the double entry system. This mine was found to be in very bad condition on account of poor ventilation and bad drainage. Attempted to be ventilated by furnace, which did not give good results. Roof is rather dangerous and not taken care of as it should be. This mine is connected to tippie by two planes, one 435 feet long, and the other 600 feet long, all of which is in very poor condition.

J. W. P. SUMMERVILLE, Supt.

R. J. ROSS, Mine Foreman.

PIEDMONT & POTOMAC COAL CO.

Series No. 432. *Virginia Mine*.—This mine is located at Piedmont on the B. & O. R. R. It is a drift opening operating the Lower Kittanning seam on the single entry system. Ventilation is produced by a twelve-foot fan, but on account of the condition of the air courses being allowed to fill up, the ventilation was very poor. Drainage is fairly good. Timbering not good. Roof of a very dangerous nature and not very well taken care of. This is an old mine, and evidently been badly neglected. This mine is connected to tippie by an incline 700 feet long.

DANIEL ASKEY, Supt.

J. L. BROWN, Mine Foreman.

MASTELLER COAL CO.

Series No. 433. *Hampshire 4-Foot Mine*.—This mine is located at Hampshire, on the W. M. R. R. It is a drift opening operating the Four-Foot seam of coal on the double entry system. Ventilation is produced by a ten-foot fan, which does not give the best results. Drainage is good. Roof is fairly good. Doors and stoppings not in good shape. This mine is connected to the tippie by an incline 1,600 feet long. There seemed to be a disposition upon the part of the company to comply with the law. Blankets, stretchers, etc., were found at the mine.

MICHAEL MASTELLER, Supt GRANT HARSHBURGER, Mine Boss.

DAVIS COAL & COKE CO.

Series No. 434. *Kittanning No. 14 Mine*.—This mine is located on the Elk Garden branch of the W. M. R. R., one mile from Harrison, and on Abrams creek. It is a drift opening operating the Upper Freeport seam on the double entry system. The mine and tippie are connected by an incline plane 650 feet long. Ventilation is produced by a fan fifteen feet in diameter which gives good results. Drainage is good, timbering good, roof good. This mine is in splendid shape, except the stoppings, which are built of inch lumber and are not what they should be. I found the law fully complied with.

ROBERT GRANT, Supt.

F. C. PATTON, Mine Boss.

SMITH COAL CO.

Series No. 435. *Smith Mine*.—This mine is located near Blaine on the W. M. R. R. It is a drift opening operating the Lower Kittanning seam on the double entry system. Ventilation is produced by a twelve-foot fan and is good, and well distributed. Drainage is good. The roof is good except in certain places, and is well looked after. Blankets, stretchers, etc., and all law requirements are being met. The mine is connected by plane 500 feet long.

R. A. SMITH, Supt.

W. D. WALKER, Mine Boss.

GLEASON COAL & COKE CO.

Series No. 436. *Gleason Mine No. 2 Mine*.—This mine is located on the W. M. R. R. at Gleason. It is a drift opening, operating the Lower Kittanning seam on the double entry system. Ventilation is produced by an eight-foot Stine fan, but not very well distributed, by reason of bad stoppings, which are built of boards. The Inspector recommended that solid stoppings be built. Drainage is good except on one entry. The roof is good. The second opening meets law requirements. Blankets, stretchers, etc., are kept at the mine.

J. M. DAVIS, Supt.

R. STOTTLEMIER, Mine Boss.

Series No. 437. *Gleason No. 1 Mine*.—This mine is located at Gleason on the W. M. R. R. It is a small mine operating the Upper Kittanning seam. The mine has not been in operation since I have been in the district, therefore not inspected.

JOHN DAVIS, Supt.

DAVIS COAL & COKE CO.

Series No. 438. *No. 19 Mine.*—This mine is located near the W. M. Junction, and on Montgomery Run. It is a drift opening operating the Lower Kittanning seam on the double entry system. Ventilation is produced by a ten-foot fan, which gives splendid results, and is well distributed throughout the mine. Drainage is good, roof fairly good and well taken care of. Second opening meets law requirements. This mine is well looked after and all law requirements promptly made.

O. TIBBETS, Supt.

J. A. TIBBETS, Mine Boss.

Series No. 439. *No. 50 Mine.*—This mine is located on Montgomery Run, near W. M. Junction on the W. M. R. R. It is a drift opening operating the Four-Foot seam on the double entry system. Ventilation is produced by a ten-foot fan, which makes plenty of air, but was not very well distributed. Considerable dust was found in this mine, and the mine inclined to be dry. Drainage is good. Roof is fairly good. This mine is connected also to tramroad, same as mines Nos. 19 and 51.

O. TIBBETS, Supt.

J. A. TIBBETS, Mine Foreman.

Series No. 440. *No. 51 Mine.*—This mine is located on Montgomery Run, near W. M. Junction, on the W. M. R. R. It is a drift opening operating the Four-Foot seam on the double entry system. The ventilation was not found to be good, as it was depending on natural conditions. The coal company was preparing to install a fan, and making further preparations to fully comply with the law. This mine is connected to a tramroad by an incline 1,200 feet long, then by tramroad one mile long, where connection was made to another incline 150 feet long to the tipple where all the coal from mines Nos. 19, 50 and 51 is loaded on the W. M. R. R. near Hampshire, one mile from Piedmont.

O. TIBBETS, Supt.

J. A. TIBBETS, Mine Foreman.

BIG VEIN COAL CO. OF WEST VIRGINIA.

Series No. 441. *Four-Foot Mine.*—This mine is located on the W. M. R. R., eleven miles from Piedmont. It is a drift opening, operating what is called the Four-Foot seam on the double entry system. This is a new mine and when inspected by me was in fair condition. Ventilation is produced by an eight-foot fan, which was giving good results. Drainage is good, roof fairly good, timbering good, doors fair, stoppings fair. I found that the mine foreman had not been provided with instruments for measuring the air as the law requires.

ONA BALLS, Supt.

WILLIAM VISTS, Mine Boss.

Series No. 442. *Big Vein Mine.*—This mine is located near Shaw on the W. M. R. R. It is the Big Pittsburg seam and nearly all worked out, and has not been in operation since I have been in the district.

ONA BALLS, Supt.

DENMAN COAL CO.

Series No. 443. *Denman No. 3 Mine.*—This mine is located on the Elk Garden branch of the W. M. R. R., two miles from Harrison, W.

Va. It is a drift opening operating the Upper Freeport seam, and has been idle and not inspected by me.

GLADE RUN COAL & COKE CO.

Series No. 444. *Sarah Mine*.—This mine is located at Schell, on the W. M. R. R. It is a drift opening operating the Lower Kittanning seam on the double entry system. Ventilation is produced by furnace, which does not give good results. Drainage is good, roof fairly good. This mine has been idle the most of the year, therefore has not been inspected by me.

THOMAS FLEMING, Supt.

MASTELLER COAL CO.

Series No. 445. *New Creek Mine*.—This mine is located near Hampshire, on the W. M. R. R. It is a drift opening operating the Lower Kittanning seam. A twelve-foot fan has been recently installed at this mine, but the mine has been idle since I have been in the district, therefore it has not been inspected by me.

MICHAEL MASTELLER, Supt. GRANT HARSHBURGER, Mine Boss.

FIFTH DISTRICT.

GENERAL SUMAARY OF THE FIFTH MINING DISTRICT FOR THE
YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.								Production of		
			Inside.					Outside.			Sum Totals.	Coal. (Tons of 2,240 lbs.)	Coke (Tons of 2,000 lbs.)
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers	Totals	Laborers.	Coke Workers.	Totals.			
Braxton.....	5	1	77	.....	.....	15	92	8	.....	8	100	91,763	.....
Olay (part)....	2	.....	20	17	4	17	58	12	.....	12	70	28,176	.....
Gilmer.....	1	.....	25	.....	.....	3	28	3	.....	3	31	6,697	.....
Fayette (part)	13	2	256	825	96	381	1,558	222	179	401	1,959	1,308,269	130,533
Kanawha (p't)	41	6	342	766	182	435	1,725	246	28	274	1,999	1,192,036	12,124
Mason.....	7	.....	151	85	24	57	317	39	.....	39	356	109,738	.....
Putnam.....	10	3	613	.....	.....	141	754	76	.....	76	830	424,424	.....
Totals.....	79	12	1,484	1,693	306	1,049	4,532	606	207	813	5,345	3,161,103	142,657

OFFICE OF THE FIFTH DISTRICT MINE INSPECTOR.

Clifton, W. Va., Sept. 18, 1908.

HON. JAMES W. PAUL,

Chief of the Department of Mines,
Charleston, W Va.

SIR:—I herewith respectfully submit to you my Annual Report as Inspector of the Mines in the Fifth District of West Virginia, for the year ending June 30th, 1908.

During the last six months of the past year the coal business in the Fifth District has been somewhat quiet; a few mines have been idle and many others in operation only half the time.

I am pleased to report that a large per cent. of the operators throughout the District are taking kindly to the new Mining Law, and are making the necessary improvements, in the way of over-casts and concrete stoppings, to meet with its requirements. It is gratifying to be able to say that operators and miners show a willingness to co-operate with me in my efforts to give them the protection the law contemplates.

My greatest difficulty has been to secure proper ventilation of the mines. This is due to the fact that many mine foremen are totally ignorant of what constitutes a proper system of ventilation. In my judgment, the only way to meet this difficulty is to require mine foreman to undergo an examination as to their competency.

The natural conditions of the mines throughout the Fifth District are favorable to operation, with general safety to the miners. Very few of the mines liberate explosive gas and these only in very small quantities. Only a few of the mines are dusty to the extent of requiring watering. Fatal accidents have been principally due to falls of slate at the working faces. Investigation has shown that some of these have been the result

of neglect on the part of the miner to properly timber or take down loose slate, while others have been purely accidental. Only a small per cent. of the mines in the Fifth District have roofs of a dangerous character, while all of the operators throughout the District keep a supply of timber on hand at all times. There have been but a few instances where complaint was made on the part of miners that they were not properly supplied with timber, and upon investigation it was shown that this was due to neglect on the part of the driver whose duty it is to deliver the timber to the working places.

While there have been no accidents in this District which can be traced to the improper charging of holes, or firing of shots, yet the employment of shot-firers to shoot the coal at night when other employes are out of the mine, would lessen the difficulties of ventilation, and the danger to life in case of accident from explosion, should a shot be improperly located or overcharged.

The operators and mine employes in this District have the greatest respect for the law, and the courts show a willingness to assist the Mine Inspector in having the law enforced, knowing full well that disregard of the law will sooner or later lead to serious or fatal accidents.

I fully appreciate the courteous and kind treatment that I have received from the mine operators and employes throughout the District. I also desire to thank you for the very able advice and assistance you have given me during the past year.

Very respectfully yours, EARL A. HENRY,
Mine Inspector Fifth District.

The following mines were not in operation during the year and were, therefore, not inspected or reported; that is to say,

In Kanawha County:

Burning Springs Mine.

Black Hawk Mine.

Clendenin Mine.

Shrader Mines Nos. 1, 2, & 3.

Bell Mine.

Sunday Creek Mine No. 106.

Sunday Creek Mine No. 108.

Kelly's Creek Mine No. 4.

Hart's Branch Mine.

Blakeley Mine No. 4.

No. 2, or Calderwood Mine (worked out and abandoned.)

New developments are as follows:

In Kanawha County:

Kendalia Mine, Kendalia Coal Co.

Williams Mine, Williams Coal Co.

Acme Mine, Acme Steam Coal Co.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz.: 512 indicates the Fifth District and number 12 mine.

CONDITION OF THE MINES IN THE FIFTH DISTRICT.

MASON COUNTY.

HARTFORD COAL & MINING COMPANY.

P. O., HARTFORD, W. VA.

Series No. 501. *Hartford Mine*.—This is a slope mine, located at Hartford on the B. & O. Railroad, operating the Pittsburg Seam of coal which has an average thickness of four and a half feet. The roof is sandstone and slate and generally good and well timbered. Developments are on the double entry system. Ventilation is produced by a ten-foot Crawford & McCrimmon fan with only fair results, this being due to the long distance the air has to travel, and improperly constructed stoppings, in the old sections of the mine. There is considerable water to contend with; the system of drainage is fairly good. The second opening meets with the requirements. Rules are posted and safety lamp and stretchers kept on hand.

During the year electric haulage and mine machines were installed at this mine. This will dispense with solid shooting of coal which has been heretofore practiced.

P. H. GRILLE, Supt.

GEORGE HARRISON, Mine Foreman.

LIVERPOOL SALT & COAL COMPANY.

P. O., HARTFORD, W. VA.

Series No. 502. *Jackson Furnace*.—This is a drift mine located at Hartford, operating the Pittsburg Seam of coal which has an average thickness of four and a half feet. The roof is slate and good, and the mine well timbered. A large section of the mine is very wet. Drainage fair. The developments are on the double entry system, ventilated by a ten-foot Crawford & McCrimmon fan with fair results. The main face heading has recently been driven to the outcrop which will be a great improvement over the present system of ventilation and drainage, and will also, be used for a second opening. Cross-cuts are driven at proper distances; mine doors and stoppings in fair condition. Rules are posted and safety lamp and stretchers kept on hand as required by law.

H. F. SMITH, Superintendent. SAMUEL EDWARDS, Mine Foreman.

MASON CITY COAL MINING COMPANY.

P. O., MASON, W. VA.

Series No. 503. *Linden Mine*.—This is drift mine located one mile east of Mason on the B. & O. Railroad, operating the Pittsburg seam of coal which has a thickness of five feet. The roof is slate and sandstone and is generally good, and the mine well timbered. Drainage good. Ventilation is produced by a five-foot Stine fan which gives only fair results, this being due to improper development by a former management. The present development is on the double entry system with an effort to get the mine in condition for a proper system of ventilation. Mine doors and stoppings in fair condition. The second opening meets with

the requirements of law. Rules posted, safety lamp and stretchers kept on hand.

C. J. RYAN, Superintendent.

C. D. M. KRAMER, Mine Foreman.

Series No. 504. No report.

DIXIE COAL WORKS.

P. O., MASON, W. VA.

Series No. 505. *Dixie Mine*.—This is a drift mine located at Mason on the B. & O. Railroad, operating the Pittsburg coal which has a thickness of four and a half feet. The roof is slate and generally good and the mine well timbered. Drainage good. The developments are on the double entry system, ventilated by means of a furnace which gives very good results. Cross-cuts are regularly driven; mine doors and stoppings in fair condition. The second opening meets with the requirements of law. Rules are posted and safety lamp and stretchers on hand. Owing to the depression in coal business, this mine was idle during the last six months of the past year.

G. H. GRESS, Superintendent.

BEN PHILIPS, Mine Foreman.

BEECH GROVE COAL COMPANY.

P. O., MASON, W. VA.

Series No. 506. *Beech Grove Mine*.—This is a drift mine located one mile west of Mason on the B. & O. Railroad, operating the Pittsburg Seam of coal which has a thickness of five feet. The roof is slate and is generally good and the mine well timbered. The developments are on the double entry system ventilated by means of a temporary furnace which does not furnish sufficient air to meet with the requirements of law. In some sections of the mine they have considerable water to contend with. System of drainage only fair. Mine doors and stoppings in fair condition.

This mine is not operated regularly, but only at intervals during the year.

JOSEPH ICENHOUR, Supt.

JAMES VAN METER, Mine Foreman.

CONSUMER'S COAL & MINING COMPANY.

P. O., SPILMAN, W. VA.

Series No. 507. *Camden Mine*.—This is a drift mine located at Spilman on the B. & O. Railroad, operating the Pittsburg Seam of coal which has a thickness of four feet. The roof is slate and in some sections is only fair. Miners are well supplied with timber and the mine is properly timbered. While some sections of this mine are very wet, the system of drainage is fairly good. Developments are on the double entry system, ventilated by a ten-foot Crawford & McCrimmon fan which gives very good results. Mine doors and stoppings in fair condition. Oil used by the employes is of a fair quality. Second opening meets the requirements of law. Rules are posted and safety lamp and stretchers kept on hand.

ARTHUR MITCHELL, Supt.

JAMES SMITH, Mine Foreman.

PUTNAM COUNTY.

THE OAK FOREST COAL & MINING COMPANY.

P. O., OAK FOREST, W. VA.

Series No. 508. *Oak Forest Mine*.—This is a slope mine located at Oak Forest on the south side of Kanawha river, three miles north of Winfield, operating the Pittsburg Seam which has a thickness of from three and a half to four feet. The roof is slate and generally good. Developments are on the double entry system, with ventilation produced by a ten-foot Crawford & McCrimmon fan which gives good results. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. Drainage good. Powder and oil law well observed. Second opening in fair condition only. Safety lamp and stretchers kept on hand.

D. L. THOMAS, Supt.

WILLIAM THOMAS, Mine Foreman.

PLYMOUTH COAL & MINING COMPANY.

P. O., PLYMOUTH, W. VA.

Series No. 509. *Plymouth Mine*.—This is a drift mine located at Plymouth on the Kanawha & Michigan Railroad, operating the Pittsburg coal which has an average thickness of five and a half feet. The roof is slate and of a dangerous nature. The miners are well supplied with timber and the mine is properly timbered. Developments are on the double entry system and ventilation is produced by a six-foot Thayer, and a twelve-foot Crawford & McCrimmon fan with good results. The twelve-foot fan is operated day and night for the purpose of keeping the haulway clear of black damp given off from the old workings. Cross-cuts are regularly driven; mine doors and stoppings in good condition. The second opening meets requirements of the law. Rules are posted, safety lamp and stretchers kept on hand.

W. C. MITCHELL, Supt.

JOSEPH VIRGIN, Mine Foreman.

Series No. 510. *Manilla Mine*.—This is a drift mine located at Plymouth operating the Pittsburg Seam of coal which has an average thickness of five and a half feet. The roof is slate of a dangerous nature. The miners are well supplied with timber and the mine is properly timbered. Drainage good. Developments are on the double entry system ventilated by a sixteen-foot Crawford & McCrimmon fan with good results, as cross-cuts are driven at the proper distances, mine doors and stoppings in good condition, over-casts are constructed to give the required splits in the air current, checkdoors are used for the proper distribution of the air to the working places. Powder and oil law is well observed. The second opening in good condition, rules are posted and safety lamp and stretchers on hand.

W. C. MITCHELL, Supt.

JOSEPH VIRGIN, Mine Foreman.

Series No. 511. *California Mine*.—This is a drift mine located at Plymouth operating the Pittsburg Seam which has a thickness of five and a half feet. The roof is slate of a dangerous character. The miners are well supplied with timber and the mine is properly timbered. Drainage

good. The mine is developed on the double entry system and ventilated by a six-foot Thayer fan with good results, cross-cuts being regularly driven, mine doors and stoppings in good condition and an over-cast recently constructed, gives the required split in the air-current, check doors are placed where necessary to insure the proper distribution of air to the working places. The powder and oil law is well observed. The second opening in fair condition. Rules are posted, safety lamp and stretchers on hand.

The mine officials, miners, and employes of the mines operated by the Plymouth Coal & Mining Co., show a willingness to comply with the State Mine Law.

W. C. MITCHELL, Supt.

JOSEPH VIRGIN, Mine Foreman.

BLACK BETSEY COAL & MINING COMPANY.

P. O., BLACK BETSEY, W. VA.

Series No. 512. *Black Betsey, No. 1 Mine.*—This is a drift mine located at Black Betsey on the Kanawha & Michigan Railroad, operating the Pittsburg Seam which has a thickness of five and a half feet. The roof is slate and of a dangerous nature but properly timbered. The developments are on the double entry system, ventilated by an eight-foot Thayer fan with only fair results. Cross-cuts are driven at the proper distances, mine doors and stoppings in fair condition. The deficiency in ventilation is principally due to the large area over which the air has to travel. Haulways in fair condition, drainage good. The second opening meets with the full requirements of law. Powder and oil law well observed. Rules are posted, safety lamp and stretchers kept on hand.

LLOYD PARKINS, Supt.

J. W. HARGRAVES, Mine Foreman.

Series No. 513. *Black Betsey No. 2 Mine.*—This is a drift mine located at Black Betsey, operating the Pittsburg Seam of coal which has a thickness of five and a half feet. The roof is slate of a dangerous character but properly timbered. Developments are on the double entry system, ventilated by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances and the stoppings on the main airway are built of concrete. An over-cast has been constructed to give the required split in the air-current. Some sections of the mine have considerable water; drainage fair; mine doors and haulways in fair condition. At times a small quantity of explosive gas is found in the main headings but not in dangerous quantities. Powder and oil law is well observed. The second opening meets with the requirements. Mine officials and employes show a willingness to comply with the State Mine Law.

LLOYD PARKINS, Supt.

J. W. HARGRAVES, Mine Foreman.

THE OTTO MARMET COAL & MINING COMPANY.

P. O., RAYMOND CITY, W. VA.

Series No. 514. *Big Otto No. 1 Mine.*—This is a drift mine located on Harmon's Creek, five miles east of Raymond City on a short line railroad to the Kanawha & Michigan Railroad and the river tipple. The

Pittsburg Seam is operated and has a thickness of five and a half feet. The roof is slate of a dangerous nature, but well timbered. Drainage good. The mine is developed on the double entry system and ventilated by an eight-foot Thayer fan. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. An over-cast has recently been constructed to give the necessary split in the air-current. The oil and powder law is well observed. Second opening in good condition. Rules are posted and safety lamp and stretchers kept on hand as required by law.

EDWARD SCHONEBAUM, Supt.

ANDREW UTT, Mine Foreman.

Series No. 515. *Big Otto No. 2 Mine.*—This is a drift mine located on Harmon's Creek and operated in connection with Big Otto No. 1. The Pittsburg Seam is operated and has a thickness of five and a half feet. The roof is slate of a dangerous nature but well timbered. Drainage good. The mine is developed on the double entry system being connected with No. 1 Mine, both of which are ventilated by the one fan, with fair results. Cross-cuts are driven at the proper distances; mine doors and stoppings in good condition. Powder and oil law is well observed. The second opening is in good condition, rules are posted, safety lamp and stretchers kept on hand.

EDWARD SCHONEBAUM, Supt.

ROBERT FIELDS, Mine Foreman.

Series No. 516. *Big Otto No. 3 Mine.*—This is a drift mine located on Harmon's Creek, operating the Pittsburg Seam which has a thickness of five and a half feet. The roof is slate of a dangerous nature, but the miners are well supplied with timber and the mine properly timbered. Drainage good. Developments are on the double entry system with ventilation produced by an eight-foot Thayer fan, and the mine is properly ventilated. Cross-cuts are driven as required by law, mine doors and stoppings in good condition. The law regarding powder and oil is well observed. Second opening in good condition; rules are posted; safety lamp and stretchers kept on hand.

Mine officials, miners and laborers, employed by the Otto Marmet Coal & Mining Co., show a willingness to comply with the State Mine Law.

EDWARD SCHONEBAUM, Supt.

ROBERT FIELDS, Mine Foreman.

ALPHA COAL MINING COMPANY.

P. O., PLYMOUTH, W. VA.

Series No. 517. *Alpha Mine.*—This is a drift mine located on the Kanawha & Michigan Railway, one mile east of Plymouth, operating the Pittsburg Seam of coal which has an average thickness of four and a half feet. The roof is slate of a dangerous nature, but well timbered. Drainage good. Developments are on the double entry system ventilated by a ten-foot fan with good results. Mine doors and stoppings in fair condition; cross-cuts regularly driven. The second opening meets with the requirements of law. This mine has been idle the greater part of the year and employs but few persons at any time.

J. C. FISH, Supt.

JAMES HARGRAVES, Mine Foreman.

KANAWHA COUNTY.

MILL CREEK CANNEL COAL COMPANY.

P. O., VILLA, W. VA.

Series No. 518. *Mill Creek Mine*.—This mine is located on Mill Creek on a narrow gauge road four and a half miles east from the main line of the Coal & Coke Railroad. It is a drift, operating the Cannel Coal Seam which varies in thickness from three to four and a half feet. The roof is slate of a dangerous character but is well timbered. Development are on the double entry system with ventilation produced by a twelve-foot Crawford & McCrimmon fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are regularly driven; mine doors and stoppings in fair condition. Drainage fair. Powder and oil law well observed. Rules are posted; safety lamp and stretchers kept on hand. The second opening meets with the legal requirements.

C. H. MEADE, Supt.

R. W. BRUNK, Mine Foreman.

THE GRAHAM COAL COMPANY.

P. O., GRAHAM MINES, W. VA.

Series No. 519. *Graham Mine*.—This is a drift mine located at Mason, eight miles north of Charleston on the Coal & Coke Railroad, operating the Coalburg Seam which has a thickness of five and a half feet. The roof is slate and good. Developments are on the double entry system, ventilated by means of a furnace which is inadequate for the proper ventilation of the mine. Doors and stoppings in poor condition. Cross-cuts driven at the proper distances. Some sections of the mine are very wet, having a large quantity of water to contend with. System of drainage poor. The second opening is in fair condition.

This mine is operated on a cheap scale and has been idle the greater portion of the year. Nothing definite could be learned as to when it would resume operation.

WILLIAM GRAHAM, Supt.

N. C. POSTON, Mine Foreman.

PEN MAR MINING COMPANY.

P. O., GRAHAM MINES, W. VA.

Series No. 520. *Pen Mar Mine*.—Located at Mason on the Coal & Coke Railroad. It is a drift mine operating the Coalburg Seam which has a thickness of five feet. The roof is slate and good and the mine properly timbered. Drainage poor. This mine is not developed on any regular system. Ventilation is produced by means of a temporary furnace which does not furnish sufficient air for the proper ventilation of the mine. For the past year this mine has been in the hands of a receiver and during this time has been operated on a very small scale, employing less than a dozen men at any one time. The second opening is in fair condition.

JACOB HOUSEHOLDER, Supt. and Mine Foreman.

FALLING ROCK CANNEL COAL COMPANY.

P. O., WEIR, W. VA.

Series No. 521 & 522. *Nos. 1 & 2 Mines.*—These are drift mines located five miles east of Falling Rock, on a narrow guage road to the Coal & Coke Railroad. The Cannel Coal Seam is operated and varies in thickness from twenty-four to thirty inches. The roof is sandstone and slate and good, and properly timbered. Drainage fair. Developments are on the double entry system ventilated by two Crawford & McCrimmon fans, one a ten-foot fan, the other a twelve-foot, which furnish sufficient air for the proper ventilation of the mines. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. The second opening meets with the requirements of law.

E. E. YOUNG, Supt.

R. B. YOUNG, Mine Foreman.

THE ELK COAL COMPANY.

P. O., QUEEN SHOALS, W. VA.

Series No. 523. *Queen Shoals Mine.*—This mine is located at Queen Shoals on the main line of the Coal & Coke Railroad. It is a drift, operating the No. 5 Seam of Coal which varies in thickness from three and a half to five feet. The roof is sandstone and slate and good, and the mine properly timbered. Developments are on the double entry system, ventilated by means of a furnace which furnishes sufficient air for the number of persons employed. Cross-cuts are regularly driven. Mine doors and stoppings in fair condition. Drainage fair. The second opening meets with the requirements of law; rules are posted; safety lamp and stretchers kept on hand.

H. G. DAVIS, Supt.

G. W. MILLER, Mine Foreman.

P. O., HEATHERMAN, W. VA.

Series No. 524. *Turner Mine.*—This mine is located one mile east of Turner on a branch line to the Coal & Coke Railroad. It is a drift, operating the No. 5 Seam, which has a thickness of three and a half feet. The roof is sandstone and slate and generally good and the mine properly timbered. Drainage fair. Developments are on the double entry system. Ventilation is produced by a ten-foot Thayer fan, which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. The law relating to powder and oil is strictly enforced. The second opening meets with legal requirements. Rules are posted; safety lamp and stretchers kept on hand.

HENRY DAVIS, Supt.

W. D. DAVIS, Mine Foreman.

LUCAS RAY COAL COMPANY.

P. O., HEATHERMAN, W. VA.

Series No. 525. *Lucas-Ray Mine.*—This mine is located two miles east of Turner on a branch line to the Coal & Coke Railway. It is a drift mine operating the No. 5 Seam of coal which has a thickness of three feet. The roof is slate and generally good. Drainage poor. Develop-

ments are on the double entry system, ventilated by means of a temporary furnace which fails to furnish sufficient air to meet with the requirements of law. Mine doors and stoppings in fair condition. This mine has been operated on a very cheap scale and in the early part of the year was placed in the hands of a receiver since which time it has been idle and nothing could be learned as to when it would resume operation.

SAMUEL SIMPKINS, Supt.

JAMES LUCAS, Mine Foreman.

No number 526. No report.

CLENDENIN MINING COMPANY.

P. O., CLENDENIN, W. VA.

Series No. 527.—*Taggart Mine*.—This mine is located one-half mile north of Clendenin on the Coal & Coke Railroad. It is a drift, operating the No. 5 Seam varying in thickness from twenty-four to thirty inches. The roof is slate and good and the mine properly timbered. Drainage only fair. Developments are on the double entry system, ventilated by means of a temporary furnace with fair results. Mine doors and stoppings in fair condition only. The second opening fails to meet with the requirements of law. No rules posted; no safety lamp or stretchers on hand. This mine is operated on a very cheap scale, employing from six to twelve persons. No information could be had as to who was acting as superintendent or mine foreman, or in any official capacity.

No number 528. No report.

THE CLAY COAL COMPANY.

P. O., BARREN, W. VA.

Series No. 529. *Bradley White Ash Mine*.—This mine is located at Barren Creek on the Coal & Coke Railroad. It is a drift operating the No. 5 Seam of coal which has a thickness of four feet. The roof is slate and good and the mine properly timbered. Developments are on the double entry system, ventilation being produced by means of a furnace which furnishes sufficient air to meet the requirements of the present developments. Cross-cuts are regularly driven; mine doors and stoppings in fair condition. The law relating to powder and oil is well observed. The second opening is in good condition. Rules are posted; safety lamp and stretchers kept on hand.

GEORGE GAGHAN, Supt.

WILLIAM WOODRUM, Mine Foreman.

BLUE CREEK COAL & LAND COMPANY.

P. O., BLAKELEY, W. VA.

Series No. 530 & 531. *Will's Hollow, Nos. 1 & 2 Mines*.—These mines are located on Blue Creek on the Kanawha & West Virginia Railroad, one mile west of Blakeley. They are drift mines operating the No. 5 Seam which varies in thickness from four to five feet, with a slate roof which is fairly good. Drainage fair. The developments are on the double entry system, ventilated by means of temporary furnaces which do not fur-

nish sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. The law relating to powder and oil is strictly enforced. Second opening in good condition. A seven-foot Stine fan had been ordered for each mine, and preparations were being made to install them as soon as possible.

Rules are posted; safety lamp and stretchers on hand.

D. H. MORTON, Supt.

C. W. ELKINS, Mine Foreman.

Series No. 532. *Blakeley No. 3 Mine*.—This mine is located at Blakeley on the Kanawha & West Virginia Railroad. It is a drift, operating the No. 5 Seam which varies in thickness from two and a half to five and a half feet. The roof is sandstone and slate and is generally good and the mine properly timbered. Drainage fair. Developments are on the double entry system, ventilated by means of a temporary furnace which does not furnish sufficient air for the proper ventilation of the mine. Cross-cuts are driven at regular distances; mine doors and stoppings in fair condition. The law relating to powder and oil is strictly enforced. The second opening is in good condition; rules posted; safety lamp and stretchers kept on hand. Preparations are being made to install a seven-foot Stine fan.

Mines operated by this company have been idle a considerable portion of the past year.

D. H. MORTON, Supt.

ROBERT MILLER, Mine Foreman.

Series No. 533. *Blakeley No. 4 Mine*.—This mine is located at Blakeley on the Kanawha & West Virginia Railroad. It is a drift mine operating the Lewiston Seam which has a thickness of four and a half feet. The roof is slate and good. Development are on the double entry system. Ventilation by means of a temporary furnace. This mine was not inspected as it has been idle during the past year.

D. H. MORTON, Supt.

ROBERT MILLER, Mine Foreman.

COLUMBIA COAL MINING COMPANY.

P. O., BLUE CREEK, W. VA.

Series Nos. 534, 535 & 536. *Shrader Nos. 1, 2 & 3 Mines*.—These are drift mines located on Blue Creek, on the Kanawha & West Virginia Railroad, five miles east of Blue Creek Station. They operate the No. 5 seam of coal which varies in thickness from three and a half to four feet. The roof is slate and good. Developments are on the double entry system, ventilated by means of temporary furnaces. The mines have not been operated during the year and for this reason no inspection was made, and no person in official capacity could be found, nor could any information as to when these mines would resume operation be obtained.

RODERICK COAL COMPANY

P. O., QUICK, W. VA.

Series No. 537. *Roderick Mine*.—This is a drift mine located at Roderick on the Kanawha & West Virginia Railroad, operating the No. 5 Seam

of coal which has a thickness of four and a half feet. The roof is sandstone and good and the mine properly timbered. Drainage only fair. Developments are on the double entry system, and ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances; stoppings on the main air-way are built of stone and mortar. An over-cast has been constructed to give the required split in the air-current. Mine doors and haulways in good condition. The law regarding powder and oil is strictly enforced. Second opening meets with legal requirements; rules are posted; safety lamp and stretchers kept on hand. This mine was idle during the last six months of the year.

G. H. P. SPRUCE, Supt.

D. D. WILLIAMS, Mine Foreman.

ACME STEAM COAL COMPANY.

P. O., QUICK, W. VA.

Series No. 538. *Acme Mine*.—This is a drift mine located on the Kanawha & West Virginia Railroad twelve miles from the mouth of Blue Creek, operating the No. 5 Seam of coal which has a thickness of five feet. The roof is sandstone and good. Developments will be on the double entry system. This is a new mine and as yet no shipments of coal have been made. The tippie and incline are nearing completion and shipments of coal will probably begin the latter part of July or the first of August, 1908.

G. H. P. SPRUCE, Superintendent and Mine Foreman.

WILLIAMS COAL COMPANY.

P. O., QUICK, W. VA.

Series No. 539. *Williams Mine*.—This is a drift mine located on the Kanawha & West Virginia Railroad, twelve miles from the mouth of Blue Creek, operating the No. 5 Seam of coal which has a thickness of five and a half feet. The roof is sandstone and good. Developments are on the double entry system, and ventilated by natural causes. This is a new mine opened during the latter part of the year and will not be ready to ship coal before the month of July, 1908.

S. B. WILLIAMS, Supt.

CHARLES MORRIS, Mine Foreman.

No series Nos. 540 & 541.

No report.

CAMPBELL'S CREEK COAL COMPANY.

P. O., PUTNEY, W. VA.

Series Nos. 542-544. *Putney Nos. 1 & 3 Mines*.—These mines are located at Putney, on the Campbell's Creek Railroad, thirteen miles east of Dana. They are drift mines operating the No. 5 Seam of coal which varies in thickness from four to six feet. The roof is slate and generally good and the mine properly timbered. Drainage fair. The developments are on the double entry system ventilated by two fans, a ten-foot Thayer and a ten-foot Jeffrey, which furnish sufficient air for the proper ventila-

tion of the mine. Cross-cuts regularly driven; mine doors and stoppings in fair condition. An over-cast has been constructed to give the required split in the air current. Haulways in good condition with refuge holes at the required distances. The law relating to powder and oil is strictly enforced. Second opening in good condition. Rules are posted and safety lamp and stretchers kept on hand.

W. V. RENSFORD, Supt. ANDREW CALDERWOOD, Mine Foreman.

Series No. —. *Putney No. 4 Mine.*—This is a drift mine located at Putney on the Campbell's Creek Railroad, operating the No. 5 Seam of coal which varies in thickness from four and a half to five and a half feet. The roof is slate and generally good. Drainage fair. Developments are on the double entry system. Ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are regularly driven; mine doors and stoppings in fair condition; powder and oil law is well observed. The second opening is in good condition; rules are posted; safety lamp and stretchers kept on hand.

W. V. RENSFORD, Supt. ANDREW CALDERWOOD, Mine Foreman.

No Series No. for 545.

No report.

QUINCY COAL COMPANY.

P. O., QUINCY, W. VA.

Series No. 546. *Quincy No. 1 Mine.*—This is a drift mine located one mile east of Dixon on a branch line to the K. & M. Railroad, operating the Lewiston Seam which has a thickness of three and a half feet. The roof is slate and generally good and the mine properly timbered. Drainage fair. Developments are on the double entry system, with ventilation produced by a five-foot Thayer fan which furnishes sufficient air for the number of persons employed. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. Powder and oil law is well observed. The second opening meets with legal requirements; safety lamp and stretchers kept on hand.

J. H. CAMPBELL, Supt. I. C. MORRIS, Mine Foreman.

Series No. 547. *Quincy No. 2 Mine.*—This is a drift mine located one mile east of Dixon on a branch line to the K. & M. Railroad, operating the No. 5 Seam which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system ventilated by means of a temporary furnace which fails to furnish sufficient air to meet the requirements of law. Mine doors and stoppings in fair condition, only. Some sections of the mine have considerable water to contend with; system of drainage poor. Some improvements have been made recently at this mine. The second opening has been placed in good condition, and preparations are being made to install a seven-foot Stine fan. Safety lamp and stretchers on hand, but no rules posted.

J. H. CAMPBELL, Supt. J. M. KELLY, Mine Foreman.

THE SUNDAY CREEK COMPANY.

P. O., SHREWSBURY, W. VA.

Series No. 548. *Sunday Creek No. 101 Mine.*—This is a drift mine located at Shrewsbury on the main line of the K. & M. Railroad, operating the North Coalburg Seam which varies in thickness from five to six feet. The roof is slate and fairly good and the mine properly timbered. Developments are on the double entry system. Ventilation is produced by a six-foot Thayer fan which furnishes sufficient air to meet with legal requirements. Cross-cuts are driven at proper distances; mine doors and stoppings in fair condition. Parts of the mine are very wet having a large quantity of water to contend with; system of drainage very poor, this being principally due to a light surface and irregular grades. The law relating to powder and oil is well observed. Second opening in good condition. Rules are posted; safety lamp and stretchers kept on hand. W. F. MANDT, Supt. JAMES A. NEYLAN, Mine Foreman.

P. O., CEDAR GROVE, W. VA.

Series No. 549. *Sunday Creek No. 10½ Mine.*—This is a drift mine located on the Kelley's Creek Railroad, one-half mile east of Cedar Grove, operating the Coalburg Seam which has a thickness of five feet. The roof is slate and only fairly good. The mine is well timbered. Drainage fair. Developments are on the double entry system, ventilated by a seven-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are regularly driven. Stoppings on the main air-way are built of concrete. Mine doors and haulways in good condition. The law relating to powder and oil is well observed. Second opening in good condition. Rules are posted; safety lamp and stretchers kept on hand as required by law. W. F. MANDT, Supt. D. F. JOHNSON, Mine Foreman.

P. O., MAMMOTH, W. VA.

Series No. 550. *Sunday Creek No. 105 Mine.*—This is a drift mine located at Mammoth, six miles east of Cedar Grove on the Kelly's Creek Railroad, operating the Coalburg Seam which has a thickness of five and a half feet with a slate roof which is generally good and the mine properly timbered. Developments are on the double entry system. Ventilation is produced by two fans, a five-foot Thayer and a ten-foot Crawford & McCrimmon, which furnish sufficient air for the proper ventilation of the mine. Cross-cuts are regularly driven. Stoppings on the main air-way are being built of concrete. Mine doors in good condition. The motor haulways are kept clear of obstructions with sufficient room for workmen to pass the cars. The mine is practically dry. Second opening meets with the requirements of the law. Rules are posted at the mine; safety lamp and stretchers on hand. W. F. MANDT, Supt. WILLIAM WELCH, Mine Foreman.

Series No. 551. *Sunday Creek No. 106 Mine.*—This mine was idle during the year. No inspection made. W. F. MANDT, Supt.

Series No. 552. *Sunday Creek No. 108 Mine.*—This mine was idle during the year. No inspection made.
W. F. MANDT, Superintendent.

Series No. 553. *Sunday Creek No. 109 Mine.*—This is a drift mine located one mile west of Mammoth on the Kelly's Creek Railroad, operating the No. 5 Seam which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system. Ventilation is produced by a six-foot Thayer fan which does not furnish sufficient air for the proper ventilation of the mine. Cross-cuts are regularly driven; mine doors and stoppings in fair condition. Drainage fair. The main haulways are kept in good condition with sufficient room for workmen to pass the cars. The law regarding powder and oil is strictly enforced. Second opening meets with the full requirements of the law. Rules are posted; safety lamp and stretchers kept on hand.

The superintendent's attention was called to the deficiency in ventilation and he was instructed to make the necessary improvements without delay.

W. F. MANDT, Supt.

D. B. ROSS, Mine Foreman.

Series No. ——. *Sunday Creek No. 110 Mine.*—This mine was idle during the year. No inspection was made.
W. F. MANDT, Supt.

NEW CEDAR CREEK COAL AND BRICK COMPANY.

P. O., CEDAR GROVE, W. VA.

Series No. 554. *Boyd Mine.*—This is a drift mine located near Cedar Grove on the K. & M. Railroad, operating the Cedar Grove Seam which has a thickness of three feet. The roof is slate and good. The mine is developed on the double entry system. Ventilation is produced by a temporary furnace with fair results, as there are but few persons employed in this mine at any time. Cross-cuts are driven at the regular distance. Mine doors and stoppings in fair condition. Drainage fair. The second opening meets with the requirements. The law regarding oil and powder is strictly observed.
THOMAS BOYD, Superintendent and Mine Foreman.

KELLY'S CREEK COLLIERY COMPANY.

P. O., WARD, W. VA.

Series No. 555. *Kelly's Creek No. 1 Mine.*—This is a drift mine located at Ward, on the Kelly's Creek & Northwestern Railroad, three miles east of Cedar Grove, operating the Coalburg Seam which varies in thickness from four to five and a half feet. The roof is slate and of a dangerous character, having a draw slate varying in thickness from eight to eighteen inches which must be taken down or carefully timbered to insure safety. The miners are well supplied with timber and the mine is properly timbered. Developments are on the double entry system, ventilated by an eight-foot Thayer fan which furnishes sufficient air to properly ventilate the mine. Cross-cuts are regularly driven. Mine doors and

stoppings in fair condition. The mine is practically dry. The law regarding powder and oil is strictly enforced. Second opening in good condition; safety lamp and stretchers on hand and rules posted as required by law.

H. T. SMARR, Supt.

WILLIAM MARTIN, Mine Foreman.

Series No. 556. *Kelly's Creek No. 3 Mine.*—Located at Ward three miles east of Cedar Grove on the Kelly's Creek & Northwestern Railroad. It is a drift mine operating the Coalburg Seam which varies in thickness from four to five feet. The roof is slate of a dangerous character as the draw slate varies in thickness from eight to eighteen inches and must be taken down or carefully timbered to insure safety. The miners are well supplied with timber and, as a rule, the working places are properly timbered. Developments are on the double entry system. Ventilation is produced by an eight foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. The mine is practically dry. The law regarding powder and oil is well observed. Second opening meets with legal requirements. Rules are posted; safety lamp and stretchers kept on hand.

H. T. SMARR, Supt.

H. J. WILLS, Mine Foreman.

Series No. 557. *Kelly's Creek No. 3 1-2 Mine.*—This is a drift, located at Ward and operated in connection with No. 3 Mine. It operates the Coalburg Seam which has a thickness of five and a half feet. The roof is slate and is fairly good. Developments are on the double entry system ventilated by an eight-foot Thayer fan with good results. Cross-cuts are regularly driven. Stoppings on the main air-way are built of stone and mortar. Mine doors in good condition. Haulways are kept clear of obstructions, with sufficient room for workmen to pass the cars. Powder and oil law strictly enforced. The second opening is in good condition. The mine is practically dry. Rules are posted; safety lamp and stretchers kept on hand.

H. T. SMARR, Supt.

H. J. WILLS, Mine Foreman.

Series No. 558. *Kelly's Creek No. 4 Mine.*—Located at Ward. It is a drift mine operating the Cedar Grove Seam. Idle during the past year and no inspection was made.

H. T. SMARR, Supt.

HUGHES CREEK COAL COMPANY.

P. O., HUGHESSTON, W. VA.

Series No. 559. *Hughesston No. 2 Mine.*—This is a drift mine located at Hughesston on the K. & M. Railroad, operating the Coalburg Seam which varies in thickness from four to five feet. The roof is slate and in some sections is of a dangerous character having a draw slate, from eight to fifteen inches in thickness, which must be taken down or carefully timbered to insure safety. The miners are well supplied with timber and the mine is properly timbered. Developments are on the double entry system, ventilated by an eight-foot Crawford & McCrimmon fan with

good results. Cross-cuts are regularly driven. Mine doors and stoppings in fair condition. The mine is practically dry. Drainage fair. Haulways in good condition. Powder and oil law well observed. Second opening meets with the requirements of law. Rules are posted; safety lamp and stretchers kept on hand.

J. W. MOORE, Supt.

JOHN W. NUGENT, Mine Foreman.

Series No. 560. *Hugheston No. 3 Mine.*—This mine is located at Hugheston on the K. & M. Railroad. It is a drift mine operating the Coalburg Seam which has a thickness of five feet. The roof is slate, of a dangerous character, having a draw slate from eight to twelve inches in thickness which has to be taken down or carefully timbered to insure safety. The miners are well supplied with timber and, as a rule the working places are well timbered. The developments are on the double-entry system ventilated by a seven-foot Crawford & McCrimmon fan, which furnishes sufficient air for the proper ventilation of the mine if properly distributed. Cross-cuts are regularly driven; mine doors in good condition; stoppings only fair. Drainage system poor. Powder and oil law well observed. Second opening in good condition. Rules are posted; safety lamp and stretchers kept on hand.

J. W. MOORE, Supt.

B. HOWERY, Mine Foreman.

CANNELTON COAL COMPANY.

P. O., CANNELTON, W. VA.

Series No. 561. *Cannelton No. 2 Mine.*—This is a drift mine located on Smithers Creek, one mile east of Cannelton on a branch line to the K. & M. Railroad. It operates the No. 2 Gas Seam which varies in thickness from five and a half to eight feet. The roof is slate and good and the mine properly timbered. Developments are on the double entry system ventilated by a ten-foot Thayer fan, with only fair results, not sufficient air being furnished for the proper ventilation of the mine. Cross-cuts are regularly driven. The mine is equipped with automatic mine doors. Stoppings in fair condition. The mine is practically dry. Haulways in first class condition. Powder and oil law is well observed. Owing to the large area of the mine, the system of ventilation fails to meet with the requirements of law. But preparations are being made to install a twelve-foot Capell fan. Second opening is in good condition. Rules are posted and safety lamp and stretchers kept on hand.

LANGDON LEA, Supt.

NEIL McCAFFERTY, Mine Foreman.

THE MARMET COAL COMPANY.

P. O., MONARCH, W. VA.

Series No. 562. *Monarch No. 1 Mine.*—This is a drift mine located at Monarch on the K. & M. Railroad, operating the Cedar Grove which has a thickness of three and a half feet. The roof is slate and fairly good and the mine properly timbered. The mine is developed on the double-entry system and ventilated by a seven-foot Thayer fan which fails to furnish sufficient air for the proper ventilation of the mine. This deficiency is principally due to the great distance the air has to travel and sections of the return air-way being partially closed by falls of slate.

Drainage fair. Cross-cuts are driven at the proper distances; mine doors and stoppings in only fair condition. Arrangements are being made to build concrete stoppings on the main air-way. The main haul-way is in good condition with refuge holes at the proper distances. Powder and oil law well observed. Second opening meets with the requirements of law. Rules are posted; safety lamp and stretchers kept on hand.

W. H. MORRIS, Supt.

C. W. KING, Mine Foreman.

Series No. 563. *Monarch No. 2 Mine*.—This mine is located at Monarch and operated in connection with Marmet No. 1 Mine. Operations are in the Cedar Grove Seam which has a thickness of three and a half feet. The roof is slate and fairly good and the mine properly timbered. Drainage good. Developments are on the double entry system ventilated by a seven-foot Thayer fan with good results. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. Powder and oil law well observed. The second opening meets with legal requirements; rules are posted; safety lamp and stretchers kept on hand.

W. H. MORRIS, Supt.

C. W. KING, Mine Foreman.

FAYETTE COUNTY.

SUNDAY CREEK COMPANY.

P. O., CARBONDALE, W. VA.

Series No. 564. *Sunday Creek No. 111 Mine*.—This is a drift mine located on Smithers Creek on a branch line of the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and very good and the mine well timbered. Developments are on the double entry system. Ventilation is produced by two fans, a six-foot Thayer and a seven-foot Stine which give very good results. Cross-cuts are regularly driven, mine doors and stoppings in fair condition. The haulways are kept clear of obstructions with ample room for workmen to pass the cars. The mine is practically dry and some sections have to be watered to allay the dust. Powder and oil law is strictly enforced. The second opening meets the legal requirements, rules are posted and safety lamp and stretchers kept on hand.

J. J. KELLER, Supt.

MICHAEL WELCH, Mine Foreman.

Series No. 565. *Sunday Creek No. 112 Mine*.—This is a drift mine located one mile east of Cannelton on a branch line to the K. & M. Railroad, operating the No. 2 Gas Seam of coal which varies in thickness from four to five and a half feet. The roof is slate and generally good. Drainage fair. Developments are on the double entry system. Ventilation is produced by a seven-foot Thayer fan with only fair results. Cross-cuts are driven at the proper distances; mine doors in fair condition. Stoppings are being built of concrete, on the main air-ways. Over-casts have been constructed and a heading is being driven to the out-crop and arrangements are being made to install a larger fan. Haulways are in good condition with ample room for workmen to pass the cars. Powder and

oil law is well observed. The second opening meets with the legal requirements.

J. J. KELLER, Supt.

SAM MITCHELL, Mine Foreman.

P. O., LONGACRE, W. VA.

Series No. 566. *Sunday Creek No. 114 Mine.*—This is a drift mine located at Longacre on the main line of the K. & M. Railroad, operating the No. 2 Gas Seam of coal which varies in thickness from four and a half to five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system ventilated by seven-foot Thayer fan with good results. Cross-cuts are driven at the proper distances, mine doors and stoppings in fair condition. Haulways are kept clear of obstructions with ample room for workmen to pass the cars. The mine is practically dry requiring the watering of dust in some sections. Powder and oil law is well observed; second opening in good condition. Rules are posted, safety lamp and stretchers kept on hand.

J. J. KELLER, Supt.

WILLIAM NICHOLSON, Mine Foreman.

Series No. 567. *Sunday Creek No. 114c.*—This is a drift mine operated in connection with No. 114 Mine. It operates the No. 2 Gas Seam which has an average thickness of five feet. The roof is slate and good and the mine properly timbered. Developments are on the double entry system and ventilated by a seven-foot Stine fan, with good results. Cross-cuts are driven at the regular distances; mine doors in fair condition. Stoppings on the main air-ways are built of slate and cement. An over-cast has been constructed to give the required split in the air-current. Haulways are in good condition with ample room for workmen to pass the cars. Drainage good. Powder and oil law well observed. The second opening meets with the legal requirements; safety lamp and stretchers kept on hand.

J. J. KELLER, Supt.

WILLIAM NICHOLSON, Mine Foreman.

P. O., HAREWOOD, W. VA.

Series No. 568. *Sunday Creek No. 115 Mine.*—This is a drift mine located at Harewood on the main line of the K. & M. Railroad, operating the No. 2 Gas Seam of coal which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system. Ventilation is produced by a ten-foot fan which furnishes sufficient air for the proper ventilation of the mine. An over-cast has been constructed to give the proper split in the air-current and stoppings on the main air-way are being built of concrete. Mine doors in good condition. Haulways are kept clear of obstructions with ample room for workmen to pass the cars. The mine is practically dry, some sections requiring to be regularly watered to allay the dust. Cross-cuts are driven at the proper distances and check doors used to properly distribute the air to the working places. Powder and oil law is strictly enforced. The second opening meets with the legal requirements. Rules are posted, safety lamp and stretchers kept on hand.

J. J. KELLER, Supt.

WILLIAM NICHOLSON, Mine Foreman.

COLUMBUS IRON & STEEL COMPANY.

P. O., MARTING, W. VA.

Series No. 569. *No. 1 Mine*.—This is a drift mine located at Marting four miles east of Cannelton on a branch line to the K. & M. Railroad, operating the No. 2 Gas Seam which has an average thickness of five feet. The roof is slate and good and the mine well timbered. Developments are on the double entry system with ventilation produced by a seven-foot and an eight-foot Thayer fan; these furnish sufficient air for the ventilation of the mine. Stoppings are built of stone and mortar and over-casts have been constructed to give the required splits in the air. Cross-cuts are regularly driven; mine doors in good condition. Haulways are kept clear of obstructions with sufficient room for workmen to pass the cars. The mine is practically dry but has recently been equipped with a pipe line and hose for the purpose of watering the dusty sections. Powder and oil law is strictly enforced. The second opening is in good condition; safety lamp and stretchers kept on hand; rules posted.

J. H. FERGUSON, Supt.

G. E. SANFORD, Mine Foreman.

KANAWHA GAS COAL COMPANY.

P. O., SMITHERS, W. VA.

Series No. 570. *Kanawha Gas Mine*.—This is a drift mine located at Smithers on the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and very good and the mine properly timbered. Developments are on the double entry system. Ventilation is produced by a fan located at the Oakland Mine, an air-course having been driven for that purpose. Sufficient air for the mine is furnished by this means as the principal work here is robbing pillars. Mine doors are in fair condition. Haulways are kept clear of obstructions with ample room for workmen to pass the cars. Drainage good. The law regarding powder and oil is well observed. The second opening is in good condition; rules are posted; safety lamp and stretchers kept on hand.

T. A. BARTLAM, Supt.

JOHN TITLOW, Mine Foreman.

W. R. JOHNSON & COMPANY.

P. O., LONGACRE, W. VA.

Series No. 571. *Oakland Mine*.—This is a drift mine located at Oakland on the main line of the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and good and the mine well timbered. Developments are on the double entry system ventilated by a ten-foot Crawford & McCrimmon fan with good results. Cross-cuts are driven at the proper distances; doors and stoppings in fair condition. Haulways are kept clear of obstructions with ample room for workmen to pass the cars. For the most part the mine is dry, in some sections requiring watering to allay the dust. Very little is being done in this mine in the way of new developments, the principal work being the robbing of pillars. The law regarding powder and oil is well observed. The second opening meets with legal require-

ments. Rules are posted at the mine; safety lamp and stretchers kept on hand.

T. A. BARTLAM, Supt.

BEN HILL, Mine Foreman.

KANAWHA GAS COAL COMPANY.

P. O., SMITHERS, W. VA.

Series No. 572. *Eagle Mine*.—This is a drift mine located at Smithers, operating the Eagle Seam which has a thickness of four feet. The roof is slate and generally good; mine properly timbered. Drainage fair. Developments are on the double entry system ventilated by a six-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. The second opening does not meet with the requirements of the law, but not more than twelve persons are employed in the mine at any one time, as this is a new mine and, as yet, the developments are small.

T. A. BARTLAM, Supt.

JOHN TITLOW, Mine Foreman.

BOOMER COAL & COKE COMPANY.

P. O., BOOMER, W. VA.

Series No. 573. *No. 1 Mine*.—This is a drift mine located near Boomer on a branch line to the K. & M. Railroad, operating the No. 2 Gas Seam of coal which has a thickness of five and a half feet. The roof is slate and very good and the mine properly timbered. Developments are on the double entry system, ventilated by a ten-foot Crawford & McCrimmon fan with good results. Cross-cuts are driven at the proper distances; mine doors in good condition; stoppings on the main air-ways are being built of concrete. Over-casts have been constructed to give the required split in the air-current. Haulways are clear of obstructions with sufficient room for workmen to pass the cars. The mine is very dry but is equipped with pipe line and hose for the purpose of watering the accumulations of dust. The law regarding powder and oil is strictly enforced. The second opening is in good condition, rules posted, and safety lamp and stretchers kept on hand.

During the year the head house and valuable machinery was destroyed by fire at a loss of several thousand dollars. The house was rebuilt at once, and is now in first-class condition.

W. M. GILLIE, Supt.

HENRY DEEM, Mine Foreman.

Series No. 574. *No. 2, South Mine*.—This is a drift mine located one mile east of Boomer on a branch line to the K. & M. Railroad, operating the No. 1 Eagle Seam which varies in thickness from five and a half to six feet. The roof is slate and good with the exception of a draw slate from five to eight inches in thickness and which must be taken down to insure safety. The developments are on the double entry system. Ventilation is produced by a twenty-foot fan which furnishes sufficient air for the proper ventilation of the mine. An over-cast has been constructed to give the required split in the air-current. Stoppings on the main air-ways are being built of stone and mortar. Cross-cuts are driven at the

proper distances; mine doors in good condition. Drainage fair. Refuge holes are maintained on the motor haulways for the safety of employes in traveling to and from their work. The law regarding powder and oil is strictly enforced. Second opening in good condition. Rules are posted; safety lamp and stretchers kept on hand.

W. M. GILLIE, Supt.

HENRY DEEM, Mine Foreman.

Series No. 575. *No. 2 North Mine.*—This is a drift mine located one mile east of Boomer on a branch line to the K. & M. Railroad, operating the No. 1 Eagle Seam, which varies in thickness from five and a half to six feet. The roof is slate and good with the exception of a draw slate from five to eight inches in thickness and which must be taken down to insure safety. The developments are on the double entry system, ventilated by a twenty-foot fan which furnishes sufficient air for the proper ventilation of the mine. Stoppings on the main air-way are being built of stone and mortar; cross-cuts are driven at the proper distances; mine doors in good condition. Over-casts have been constructed to give the proper splits in the air-current as required by law. Drainage fair; haulways in fair condition having refuge holes at the proper distances for workmen to pass the cars. The law relating to powder and oil is well observed. The second opening is in good condition; rules are posted and safety lamp and stretchers kept on hand.

W. M. GILLIE, Supt.

FRANK DONALD, Mine Foreman.

Series No. 576. *No. 3 Mine.*—This is a drift mine located one mile east of Boomer on a branch line to the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and good requiring but little timber to insure safety. The developments are on the double entry system, ventilated by an eight-foot Stine fan which furnishes sufficient air for the proper ventilation of the mine. An over-cast has been constructed to give the required split in the air-current. Mine doors and stoppings in good condition; cross-cuts driven at the proper distances. Haulways are kept clear of obstructions with sufficient room for workmen to pass the cars. The mine is practically dry and equipped with pipe line and hose for watering dusty sections. The law relating to powder and oil is strictly observed. The second opening meets with the requirements of law; rules are posted; safety lamp and stretchers kept on hand.

W. M. GILLIE, Supt.

JOHN ELSWICK, Mine Foreman.

Series No. 577.

No report.

DORFEE COAL MINING COMPANY.

P. O., DORFEE, W. VA.

Series No. 578. *Elk Manor Mine.*—This is a drift mine located at Dorfee on the main line of the Coal & Coke Railroad, operating the Winifrede Seam of coal which has an average thickness of four and a half feet. The roof is sandstone and slate, and is generally good, the mine is well timbered. The mine is developed on the double entry system and

ventilated by an eight foot Thayer fan with good results. Cross-cuts are driven at the proper distances, mine doors and stoppings in fair condition. Drainage good. The second opening meets with the requirements of law. Rules are posted, safety lamp and stretchers kept on hand. In the latter part of December the power plant was destroyed by fire. This has been rebuilt but the mine has not been operated during the last six months.

HENRY BROOKE, Supt.

T. L. PUGH, Mine Foreman.

ELK RIVER COAL & LUMBER COMPANY.

P. O., CLAY, W. VA.

Series No. 579. *Dundon No. 1 Mine.*—This is a drift mine located near Clay, on the main line of the Coal & Coke Railroad, operating the Coalburg Seam which varies in thickness from four to five feet. The roof is sandstone and slate and fairly good; the mine is properly timbered. Developments are on the double entry system. Ventilation is produced by an eight-four Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross-cuts are driven at the proper distances; mine doors and stoppings in fair condition. Haulways are kept clear from obstructions with sufficient room for workmen to pass the cars. The mine is practically dry. The second opening meets with the requirements. Rules are posted; safety lamp and stretchers kept on hand. Machinery is on the ground and preparations are being made to install an electric plant.

A. C. FINLEY, Supt.

DAVID STODDARD, Mine Foreman.

BRAXTON COUNTY.

DAVIS COLLIERY COMPANY.

P. O., COPEN, W. VA.

Series No. 580. *No. 11 Mine.*—This is a drift mine located at Copen on the main line of the Coal & Coke Railroad, operating the Pittsburg Seam of coal which varies in thickness from four to seven feet. The roof is slate and of a dangerous character, but the mine is properly timbered. Drainage fair. The mine is developed on the double entry system and ventilated by means of a furnace which furnishes sufficient air for the number of persons employed, this number being small as the product of the mine is used chiefly to supply the engines of the Coal & Coke Railroad. Cross-cuts are driven at the proper distances, mine doors and stoppings in fair condition. Powder and oil law is well observed. The second opening meets with the legal requirements. Rules are posted and safety lamp and stretchers kept on hand.

R. D. EDWARDS, Supt.

WILLIAM MARTIN, Mine Foreman.

P. O., BOWER, W. VA.

Series No. 581. *No. 10 Mine.*—This is a drift mine located at Bower on the Coal & Coke Railroad, operating the Pittsburg Seam of coal which varies in thickness from four to seven feet. The roof is slate of a dangerous nature but well timbered. Drainage good. Developments are on the

double entry system, ventilated by temporary furnaces, with fair results. A twelve-foot Robinson fan, and engine were on the ground and preparations were being made to install the same at an early date. Cross-cuts are driven at proper distances; mine doors and stoppings in fair condition. The second opening meets with legal requirements, rules are posted; safety lamp and stretchers kept on hand. Powder and oil law strictly observed.

R. D. EDWARDS, Supt.

D. D. EDWARDS, Mine Foreman.

GILMER COUNTY.

COSMOPOLITAN COAL & COKE COMPANY.

P. O., EMMERT, W. VA.

Series No. 582. *Gilmer No. 1 Mine.*—This is a drift mine located at Gilmer on the Coal & Coke Railroad, operating the Pittsburg Seam of coal which varies in thickness from six to eight feet. The roof is slate and of a dangerous nature, but well timbered. Drainage fair. Developments are on the double entry system ventilated by a temporary furnace with fair results. Cross-cuts are driven at the proper distances, mine doors and stoppings in fair condition. The second opening meets with legal requirements. Rules are posted and safety lamp and stretchers kept on hand.

This mine has advanced but very little during the year, having been idle the greater part of the time.

W. H. MARTIN, Supt.

JOSEPH CHADWICK, Mine Foreman.

SIXTH DISTRICT.

GENERAL SUMMARY OF THE SIXTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings.	No. of Persons Killed.	EMPLOYES.									Production of	
			Inside.					Outside.				Coal.	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	Sum Totals.	(Tons of 2,240 lbs.)	(Tons of 2,000 lbs.)
K'n'wha (p'rt)	61	11	498	1,293	318	717	2,826	374	....	374	3,200	2,287,731	.....
Raleigh (part)	1	....	....	40	6	12	58	12	....	12	70	43,142	.....
Totals	62	11	498	1,333	324	729	2,884	386	..	386	3,270	2,330,873	.....

OFFICE OF THE SIXTH DISTRICT MINE INSPECTOR,
Chelyan, W. Va., September 22, 1908.

MR. JAMES W. PAUL,
Chief of Department of Mines,
Charleston, W. Va.

DEAR SIR:—In compliance with the state mining law, I herewith submit to you my annual report of the mines in the Sixth Mining District, for the year ending June 30th, 1908.

During the year I made one hundred and seventy-three regular inspections and twenty special visits. The latter being made to investigate fatal accidents and to see if former instructions were being complied with. A part of my time during the past year was spent in joint inspections outside of this district, and my office work has been such in the past six months that it required at least one day each week to keep the work up.

I am pleased to report to you that the sanitary conditions of the mines in this district are far above the average, but it has been with much insistence on my part that the miners as well as the mine officials take proper precautions with the roof, which in some of the mines in this district is very dangerous, and in some mines there is a very heavy draw-slate which must be taken down as the coal comes from under it. This makes a great deal of dead work for the miner and very expensive for the operator, and in a great many instances causes both miners and mine bosses to neglect the importance of making the working places safe, which has resulted in the death and disabling of a large number of men,

and I can safely say that the accidents caused from neglecting the roof predominate in this district.

I have been able to induce only a few of the companies to try concrete or permanent stoppings, but where they have once put them in they are not long in determining that they are the cheapest and best, and especially along main air ways. And it is my opinion that Section 11 of the mining law should read, "That all main entries going 4,000 feet or more, the stoppings must be built of concrete, brick or stone laid in lime or cement mortar." This in my judgment would accomplish good results and cause less friction between the Inspectors and company officials.

Several of the mines in this district are dry, and during the winter season are dusty when not properly kept watered. I have always insisted that the dry and dusty parts be kept wet by watering from some spraying device, which will wet both sides and bottom.

Mr. C. A. Cabell, General Manager of the Carbon Coal Company, has a few dry mines, and he has been making some very successful experiments with salt, by both scattering it broadcast throughout the entries and air ways and by mixing it in the water used to spray the mine, and from these experiments we have discovered that the dampness will remain much longer than where just water alone is used.

Solid shooting is practiced in only about four mines in this district, and so far as I can learn, it is done in accordance with instructions issued by this department on July 1st, 1907, by employing shot inspectors.

I am of the opinion that the law should prohibit shooting coal from the solid, under any and all conditions, for it is injurious to the roof and in many ways dangerous for the miner.

The following named persons were prosecuted during the year: Will Smith, Dave Powers, Charles Powers, John Johnson, Dana Lovejoy, Walter Jones, Will Johnson, Jos. Cowley, Evans Griffith, Claud Griffith and F. E. Stephenson were each fined \$5.00 and cost for violating the oil law. Geo. Buckley, mine boss, and Sam Dandridge, Mat Johnson, J. H. Holstein and Andrew Gants were each fined \$5.00 and cost for violating Section 11 of the mine law. R. M. Odell, mine boss, David Scott and Albert Adkins were each fined \$10.00 and cost for violating Sections 22 and 23 of the mine law. J. T. Scott, mine boss, was fined \$5.00 and cost for violating Section 15 of the mine law. John Pritchard, mine boss, was fined \$50.00 and cost for violating Section 11 of the mine law.

During the year there were eight fans installed at different mines in this district. Only one new mine was opened in this district during the year, that being the Black Tulip mine in the No. 2 Gas coal on Cabin creek.

I now have sixty-four mines in this district and during the past year have been able to make more thorough inspections than I could heretofore, when I had one hundred and sixty-nine mines scattered over a much larger area, and with no bad luck such as sickness, etc., I can inspect this present number as the law requires.

I can not say that the operators or miners in this district have fully complied with the law during the past year, nor have they done all that I have asked or recommended them to do, but I do know that many good things have been accomplished by our conferences and a prosecution occasionally, and if the conditions in this district continue to improve in the future as they have in the past, these mines will be second to none in the country.

It is much pleasure to me to report that my official dealings with both operators and miners, in most instances, have been very pleasant and agreeable.

I certainly do thank you for the kind treatment and able advice I have received from you during the year, and it is with much regret that I have learned that you will soon sever your valuable service from this department, and I join with your many West Virginia friends in wishing you much success in your new position.

Yours very truly,

BONNER H. HILL.

CONDITION OF THE MINES IN THE SIXTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 613 indicates the Sixth district and number 13 mine.

KANAWHA COUNTY.

PAINT CREEK COLLIERIES CO.

Series No. 601. *Reynolds Mine*.—This mine is located twenty-two miles from St. Albans on the Kanawha Central R. R., and Brier creek, a tributary of Coal river; is a drift opening operating the Black Band coal on the double entry system. The ventilation produced by an eight-foot Thayer fan and a furnace is fairly good. In some parts of the mine the roof is not good, but timbering is well looked after. Drainage is only fair. The law is fully complied with regarding powder, rules, stretchers, safety lamps and anemometer. A map showing the workings of this mine dated April 1, 1908, has been furnished this office. A small portion of the coal in this mine is shot from the solid, which system of mining I do not approve. With the present mine development and equipment and a full force of men this mine is capable of producing 425 tons per day.

This mine was reported last year as Reynolds Mine, No. 482 of the printed report.

J. R. MUCKLOW, Supt.

WM. CLENDENIN, Mine Boss.

C. W. ROGERS, Gen. Mgr.

OLCOTT COAL & IRON CO.

Series No. 602. *No. 2 Mine*.—This mine is located twenty-two miles from St. Albans on the Kanawha Central R. R., and Brier creek, a tributary of Coal river; is a drift opening operating the Black Band coal

on the double entry system. The ventilation produced by two seven-foot Thayer fans and a furnace is good. In some parts of the mine the roof is bad, but timbering is well looked after. Drainage is only fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated August 25, 1908, was furnished this office. A part of the coal in this mine is shot from the solid, the company employing shot inspectors, which system of mining I do not approve. With the present mine development and equipment and full force of men this mine is capable of producing 425 tons per day.

This mine was reported last year as Mine No. 2, No. 418 of the printed report.

F. H. PALMER, Supt.

GEORGE CAREY, Mine Boss.

Series No. 603. *No. 1 Mine.*—This mine is located twenty-two miles from St. Albans on the Kanawha Central R. R., and Brier creek, a tributary of Coal river; is a drift opening operating the Black Band coal on the double entry system. The ventilation produced by five seven-foot Thayer fans is good. The law is fully complied with regarding powder, oil, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. Drainage is good. A map showing the workings of this mine dated August 25, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as No. 1 Mine, No. 417 of the printed report.

F. H. PALMER, Supt.

B. F. THORNE, Mine Boss.

PAINT CREEK COLLIERIES CO.

Series No. 604. *Knickerbocker Mine.*—This mine is located twenty-two miles from St. Albans on the Kanawha Central R. R., and Brier creek, a tributary of Coal river; is a drift opening operating the Black Band coal on the double entry system. The ventilation produced by four furnaces is fair. The roof in some parts of the mine is bad, but timbering is fairly well looked after. Drainage is fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April 1, 1908, has been furnished this office. The coal in this mine is shot from the solid, shot inspectors being employed by the company, which system of mining I do not approve. With the present mine development and equipment and full force of men this mine is capable of producing 325 tons per day.

This mine was reported last year as Knickerbocker Mine, No. 483 of the printed report.

J. R. MUCKLOW, Supt.

WILL MILLER, Mine Boss.

C. W. ROGERS, Gen. Mgr.

BLACK BAND COAL & COKE CO.

Series No. 607-8-9-10. *Black Band Nos. 1, 2, 3 and 5 Mines.*—These mines are located on Davis creek, and operate the Black Band coal, but were idle during the entire year, and just when they would resume operations I could not learn.

These mines were reported last year as Black Band Nos. 1, 2, 3 and 4 Mines, and Nos. 413, 414, 415 and 416 of the printed report.

THE MARMET COAL CO.

Series No. 612. *Butler Mine.*—This mine is located about four miles from Marmet on the West Virginia Southern R. R.; is a drift opening operating the Winifrede coal on the double entry system. Very little work has been done in this mine during the past year and that consisted of robbing. At time of last inspection, the ventilation produced by a seven-foot Thayer fan did not meet the requirements of the law, and a portion of the work was stopped. The roof is good; drainage only fair. The law is fully complied with regarding oil, rules, stretchers, powder, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June 6, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Butler Mine, No. 410 of the printed report.

R. T. PRICE, Gen. Mgr.

S. L. SELBY, Mine Boss.

J. W. STRAUGHAN, Supt.

Series No. 613. *Butler No. 5 Mine.*—This mine is located on the West Virginia Southern R. R., and Lens creek; is a drift opening operating the No. 5 coal. Owing to the many openings the ventilation produced by natural causes is fairly good. The roof and drainage are both good. The law is fully complied with regarding oil, powder, stretchers, rules, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June 8, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

This mine was reported last year as Butler No. 5 Mine, No. 412 of the printed report.

R. T. PRICE, Gen. Mgr.

JOHN W. SHEPPARD, Mine Boss.

J. W. STRAUGHAN, Supt.

Series No. 614. *Butler No. 2 Mine.*—This mine is located about four miles from Marmet on the West Virginia Southern R. R., and Lens creek; is a drift opening operating the Lens Creek coal on the double entry system. The ventilation produced by a ten-foot Thayer fan is good. In some sections of this mine the roof is bad, and owing to the robbing of the old Butler mine, which is just beneath this one, this mine is threatened with a squeeze. Drainage is good. The law is fully

complied with regarding powder, oil, stretchers, safety lamps, rules and anemometer. The second opening meets all the requirements of the law. A map showing the workings of this mine dated June 6th, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Butler No. 2 Mine, No. 411 of the printed report.

R. T. PRICE, Gen. Mgr.

J. B. GRIFFITH, Mine Boss.

J. W. STRAUGHAN, Supt.

FRANK ELLISON, FORMERLY THE PEERLESS COAL CO.

Series No. 615. *Peerless Mine*.—This mine is located at Winifrede Junction, on the C. & O. R. R.; is a drift opening operating the Peerless coal on the double entry system. The ventilation produced by a six-foot Thayer fan is fairly good. Roof is good; drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated May 18, 1908, has been furnished this office. With the present mine equipment and development and full force of men this mine is capable of producing 125 tons per day.

This mine was reported last year as Malcolm Mine, No. 426 of the printed report.

A. M. WOOLRIDGE, Supt.

JAMES HEMMINGS, Mine Boss.

WINIFREDE COAL CO.

Series No. 616. *Winifrede Gas Mine*.—This mine is located about three miles from Winifrede Junction, on the Winifrede R. R., and Fields creek; was a drift opening, and operated the Peerless coal. This mine was operated very little during the year and is now entirely abandoned.

This mine was reported last year as Winifrede Gas Mine, No. 421 of the printed report.

Series No. 617. *West Mine*.—This mine is located six miles from Winifrede Junction, on the Winifrede R. R., and Fields creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is good. In some parts of the mine the roof is very bad and dangerous, but in most of the places timbering is well looked after. Drainage is fairly good. The law is fully complied with regarding powder, oil, stretchers, safety lamps, rules and anemometer. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated March 28, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 425 tons per day.

This mine was reported last year as West Mine, No. 425 of the printed report.

WM. CRICHTON, Supt.

W. H. BELCHER, Mine Boss.

Series No. 618. *South Mine*.—This mine is located about six miles from Winifrede Junction, on the Winifrede R. R., and Fields creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a ten-foot Thayer fan is fair. In some parts of the mine the roof is very bad and dangerous, and owing to some robbing, which has been stopped, the whole mine is threatened with a squeeze. The drainage has been improved and at time of last inspection was fair. The law is fully complied with regarding oil, rules, stretchers, safety lamps, powder and anemometer. The second entry to this mine meets all the requirements of the law. A map showing the workings of this mine dated September 1, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as South Mine, No. 422 of the printed report.

WM. CRICHTON, Supt.

J. W. DEVISON, Mine Boss.

JOHN PRITCHARD, Mine Boss.

Series No. 619. *North Machine Mine*.—This mine is located six miles from Winifrede Junction, on the Winifrede R. R., and Fields creek; is a drift opening operating the Winifrede coal. The work in this mine consists of robbing, and the ventilation produced by a six-foot Thayer fan is fairly good. The roof is good. In a part of this mine the drainage is bad, and at time of last inspection a number of men were ordered out of wet places. The law is fully complied with regarding powder, oil, stretchers, rules, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated September 1, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

This mine was reported last year as North Machine Mine, No. 424 of the printed report.

WM. CRICHTON, Supt.

C. H. SHELLEY, Mine Boss.

Series No. 620. *North Pick Mine*.—This mine is located about six miles from Winifrede Junction, on the Winifrede R. R., and Fields creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by ten and six-foot Thayer fans is fair, but owing to the old workings and decaying timbers there is some black damp passing through the workings. The roof is fair. In the workings the drainage is good, but a much larger pump is greatly needed to keep the water out of the return air way. The law is fully complied with regarding oil, powder, stretchers, safety lamps, rules and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated September 1, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as North Pick Mine, No. 423 of the printed report.

WM. CRICHTON, Supt.

W. H. STUART, Mine Boss.

DRY BRANCH COAL CO.

Series No. 621. *Gas or No. 1 Mine.*—This mine is located two miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Peerless coal on the double entry system. The ventilation produced by a seven-foot Thayer fan is fairly good. Small feeders of gas have been found in this mine. Roof is good; drainage good. Some parts of this mine are dry and dusty, which necessitates watering to allay the dust. The law is fully complied with regarding powder, oil, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. Some of the coal in this mine was being shot from the solid, but after a few prosecutions for the violation of rules issued by this department on July 1, 1907, this practice is about stopped. A map showing the workings of this mine dated May 15, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as Peerless Mine, No. 428 of the printed report.

H. F. DALRYMPLE, Supt.

R. M. ODELL, Mine Boss.

Series No. 622. *Coalburg or No. 2 Mine.*—This mine is located two miles from Cabin Creek Junction on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a seven-foot Thayer fan is good. The roof is fair; drainage good. The law is fully complied with regarding powder, oil, stretchers, rules, safety lamps and anemometer. The second opening to this mine does not meet the requirements of the law but not more than twenty men will be employed in any one period until one is made. A map showing the workings of this mine dated January 15, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 100 tons per day.

This mine was reported last year as Coalburg Mine, No. 430 of the printed report.

H. F. DALRYMPLE, Supt.

R. M. ODELL, Mine Boss.

Series No. 623. *Belmont or No. 3 Mine.*—This mine is located two miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Belmont coal on the double entry system. The ventilation produced by a seven-foot Thayer fan is fair. The roof is fair; drainage good. The law is fully complied with regarding oil, powder, stretchers, rules, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated May 15, 1908, has been furnished this office. With the present mine develop-

ment and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Belmont Mine, No. 429 of the printed report.

H. F. DALRYMPLE, Supt.

R. M. ODELL, Mine Boss.

COALBURG COLLIERY CO.

Series No. 624. *Ronda Mine*.—This mine is located three miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a six-foot Thayer fan is good. In some parts of the mine the roof is bad, but timbering is well looked after. Drainage is fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated November 10, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as Ronda Mine, No. 427 of the printed report.

H. F. DALRYMPLE, Supt.

C. F. SLACK, Mine Boss.

J. E. SHAFER, Mine Boss.

WYATT COAL CO.

Series No. 625. *North Mine*.—This mine is located five miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a ten-foot Crawford & McCrimmon fan is good. Roof is fair; drainage good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated January 15, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

This mine was reported last year as North Mine, No. 434 of the printed report.

A. W. LAING, Supt.

G. B. COMBS, Mine Boss.

JOHN LAING, Gen. Mgr.

Series No. 626. *South Mine*.—This mine is located five miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is fairly good. The roof is good; drainage good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated Jan-

uary 15, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day.

This mine was reported last year as South Mine, No. 433 of the printed report.

A. W. LAING, Supt.

G. B. COMBS, Mine Boss.

JOHN LAING, Gen. Mgr.

PERSINGER COAL CO.

Series No. 627. *Wilton Mine*.—This mine is located six miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Cedar Grove coal on the double entry system. The ventilation produced by a fan is fairly good. The roof is good; drainage fair. The law is fully complied with regarding oil, powder, stretchers, rules, safety lamps and anemometer. The second opening does not comply with the law, but it is ordered that not more than twenty men be employed in any one period until a new opening is made. A map showing the workings of this mine dated July 1, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 125 tons per day.

This mine was reported last year as Wilton Mine, No. 435 of the printed report.

J. T. McALLISTER, Supt.

C. H. McALLISTER, Mine Boss.

WYATT COAL CO.

Series No. 628. *Oakley Mine*.—This mine is located six miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by a seven-foot Thayer fan is fairly good. Roof is good; drainage good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated January 15, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Oakley Mine, No. 431 of the printed report.

A. W. LAING, Supt.

J. L. PERFATER, Mine Boss.

JOHN LAING, Gen. Mgr.

CABIN CREEK CONSOLIDATED COAL CO.

Series No. 629. *Davis Mine*.—This mine is located eight miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by four and eight-foot Thayer fans is good. Roof is good; drainage good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and

anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 5, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Davis Mine, No. 465 of the printed report.

ROBERT E. THOMPSON, Supt.

SAM JARRETT, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

LA MONT MINING CO.

Series No. 630. *La Mont No. 1 and 2 Mines.*—These mines are located ten miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; are drift openings operating the No. 2 Gas coal on the double entry system. The ventilation produced by a four-foot Thayer fan is now fair and will be good when air way and line of stoppings are complete. The roof is good; drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to these mines meets all the requirements of the law. A map showing the workings of these mines dated December, 1907, has been furnished this office. With the present mine development and equipment and full force of men these mines are capable of producing 150 tons per day.

These mines were reported last year as La Mont Nos. 1 and 2 Mines, No. 441 of the printed report.

PAUL L. JAMES, Supt.

W. T. GOSNAY, Mine Boss.

Series No. 631. *La Mont No. 3 Mine.*—This mine is located ten miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by a six-foot Thayer fan is fairly good. Roof is good; drainage fair. The law is fully complied with regarding powder, oil, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as La Mont No. 3 Mine, No. 442 of the printed report.

PAUL L. JAMES, Supt.

W. T. GOSNAY, Mine Boss.

HOLLEY & STEPHENSON COAL & COKE CO.

Series No. 632. *No. 1 Mine.*—This mine is located nine miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is good. The roof is good except in parts of the mine there is a bad draw slate. Drainage is good. This mine was in operation only a short

time during the past year and when it would resume operations I could not learn. With the present mine development and equipment and full force of men this mine is capable of producing 80 tons per day.

This mine was reported last year as No. 1 Mine, No. 439 of the printed report.

F. H. McCLUNG, Supt.

Series No. 633. *No. 2 Mine.*—This mine is located nine miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is good. The roof is good; drainage good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening meets all the requirements of the law. A map showing the workings of this mine dated July 1, 1908, has been furnished this office. Some parts of this mine are dry and dusty, which necessitates watering to allay the dust. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as No. 2 Mine, No. 437 of the printed report.

F. H. McCLUNG, Supt.

J. M. McDONOUGH, Mine Boss.

Series No. 634. *Coalburg Mine.*—This mine is worked in connection with the No. 5 Mine but in the Coalburg coal, which got very thin and it was thought that the entire mine was abandoned but some work was done in the mine during the year but it is now closed, and just when operation will resume I could not learn.

This mine was reported last year as Coalburg Mine, No. 440 of the printed report.

F. H. McCLUNG, Supt.

Series No. 635. *No. 5 Mine.*—This mine is located nine miles from Cabin Creek Junction, on the Cabin Creek branch of the C. & O. R. R., and Cabin creek; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by a seven-foot Thayer fan is good. The roof is good except a heavy draw slate, which is very dangerous and must be taken down as the coal is taken from under it. Drainage is fairly good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as No. 5 Mine, No. 438 of the printed report.

F. H. McCLUNG, Supt

J. C. EASTHAM, Mine Boss.

CABIN CREEK CONSOLIDATED COAL CO.

Series No. 636. *Cherokee Mine.*—This mine is located at Leewood on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is

a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a six-foot Thayer fan is fairly good. Roof is fair; drainage only fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A great improvement has been made in the drainage and ventilation of this mine during the past year. A map showing the workings of this mine dated December 31, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Cherokee Mine, No. 464 of the printed report.

W. A. OTEY, Supt.

JOHN DOWER, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 637. *Caledonia Mine*.—This mine is located near Leewood on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is fairly good. In some parts of this mine the roof is very bad and dangerous and requires very careful timbering to make it safe. Drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 7, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 175 tons per day.

This mine was reported last year as Caledonia Mine, No. 466 of the printed report.

W. A. OTEY, Supt.

JOHN HENRY, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 638. *Red Warrior Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. Owing to the bad condition of the doors, stoppings and air ways the ventilation produced by an eight foot-Thayer fan is not good. The roof is very bad and dangerous. The management has been notified to improve the ventilation and take down all loose roof or make it safe by careful timbering. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 17, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Red Warrior Mine, No. 463 of the printed report.

W. A. OTEY, Supt.

JOHN W. GAY, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 639. *Buckeye Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a four-foot Thayer fan is good. The roof is good except some bad draw slate. The drainage is fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 20, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

This mine was reported last year as Buckeye Mine, No. 456 of the printed report.

M. W. MURPHY, Supt.

C. S. WHITE, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 640. *Empire Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a fan is fairly good. The roof is fairly good; drainage good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 20, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 375 tons per day.

This mine was reported last year as Empire mine, No. 455 of the printed report.

M. W. MURPHY, Supt.

WM. COMER, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 641. *Black Tulip Mine*.—This mine is located at Acme on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. This is a new mine and will be ready to ship coal within thirty days. It was not reported last year.

M. W. MURPHY, Supt.

FRANK SHERER, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 642. *Keystone Mine*.—This mine is located at Acme on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a ten-foot Crawford & McCrimmon fan is fairly good. Roof is fairly good. Drainage is good; along some of the haulways it is very dry and dusty, which necessitates watering to allay the dust. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 30, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as Keystone Mine, No. 454 of the printed report.

M. W. MURPHY, Supt.

JOHN T. SCOTT, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 643. *Acme Mine*.—This mine is located at Acme on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a six-foot Thayer fan was not good at time of last inspection. Along some of the haulways the roof was bad and dangerous. The drainage was only fair. This mine was idle almost the entire year and on resuming operation at the close of the year the management promised to improve the ventilation and take down or properly timber all loose roof. The law is fully complied with regarding oil, powder, stretchers, rules, safety lamps and anemometer. A map showing the workings of this mine dated January 1, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as Acme Mine, No. 453 of the printed report.

M. W. MURPHY, Supt.

R. G. POFF, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 644. *Shamrock Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation is produced by a ten-foot Thayer fan is good. The roof is good; drainage fair. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 2, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 800 tons per day.

This mine was reported last year as Shamrock Mine, No. 457 of the printed report.

A. BOYD, Supt.

J. A. BRAGG, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 645. *Thistle Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a ten-foot Thayer fan is good. This mine is dry throughout and in some places is dusty, which necessitates watering to allay the dust, which I have always found regularly done. The roof is good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 12, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as Thistle Mine, No. 467 of the printed report.

A. BOYD, Supt.

J. W. STEPHENS, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 646. *Raccoon Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by five and ten-foot Thayer fans is good. In some parts of the mine the roof is bad and requires very careful timbering to make it safe. The drainage is only fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 9, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 470 tons per day.

This mine was reported last year as Raccoon Mine, No. 469 of the printed report.

A. BOYD, Supt.

C. C. FULTZ, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 647. *Rose Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by two furnaces is fairly good. The roof is good; drainage good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. This mine consists of two drifts and the second openings do not comply with the law, but new openings are being made and I have never found twenty men employed in either drift at any one time. A map showing the workings of this mine dated December 27, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Rose Mine, No. 468 of the printed report.

A. BOYD, Supt.

WM. HORNSBY, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 648. *Kayford Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; are drift and slope openings operating the No. 2 Gas coal on the double and triple entry system. The ventilation produced by two ten-foot Thayer fans is good. The roof is good. Drainage is good, and some parts of the mine are dry and in the winter season necessitates watering to allay the dust. Very small feeders of marsh gas have been found in this mine but the ventilation has always been found such as to render it harmless. The law is fully complied with regarding oil, rules, powder, stretchers,

safety lamps and anemometer. A map showing the workings of this mine dated December 28, 1907, has been furnished this office. With the present mine development and equipment and a full force of men this mine is capable of producing 850 tons per day.

This mine was reported last year as Kayford Mine, No. 472 of the printed report.

A. BOYD, Supt.

M. DARBY, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 649. *Holly Mine*.—This mine is located near Leewood on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is fairly good. In some parts of the mine is a bad draw slate but timbering is fairly well looked after. Drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 6, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 475 tons per day.

This mine was reported last year as Holly Mine, No. 461 of the printed report.

H. L. FISHER, Supt.

M. J. FISHER, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 650. *Quarrier Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is good. In some parts of the mine the roof is very bad and dangerous and requires very careful timbering to make it safe. Drainage is good. The law is fully complied with regarding oil, powder, stretchers, safety lamps, rules and anemometer. The second opening to this mine meets all the requirements of the law. Some parts of the mine are dry and dusty, which necessitates watering to allay the dust, which is regularly done. A map showing the workings of this mine dated December 4, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day.

This mine was reported last year as Quarrier Mine, No. 462 of the printed report.

H. L. FISHER, Supt.

J. W. BRANHAM, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

WAKE FOREST MINING CO.

Series No. 651. *Wake Forest Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a seven-foot fan is fairly good. In some

parts of the mine the roof is not good and requires very careful timbering to make it safe. Drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. Some parts of this mine are dry and dusty, which necessitates watering to allay the dust. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 425 tons per day.

This mine was reported last year as Wake Forest Mine, No. 436 of the printed report.

J. C. GRAYMES, Supt.

JESSE GARDINER, Mine Boss.

WYATT COAL CO.

Series No. 652. *Berlin Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a seven-foot Thayer fan is fairly good. In some parts of the mine the roof is very bad and requires very careful timbering. Drainage only fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated January 15, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 475 tons per day.

This mine was reported last year as Berlin Mine, No. 432 of the printed report.

WILL LAING, Supt.

ALBERT GREEN, Mine Boss.

JOHN LAING, Gen. Mgr.

CARBON COAL CO.

Series No. 653. *North Mine*.—This mine is located near Decota on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. Owing to the bad condition of doors and stoppings the ventilation produced by a seven-foot Stine fan is only fair. The roof is good. At time of last inspection of this mine a part of it was flooded with water, but a larger pump was being installed. The law is fully complied with regarding oil, rules, safety lamps, stretchers, powder and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 225 tons per day.

This mine was reported last year as North Mine, No. 443 of the printed report.

C. A. CABELL, Gen. Mgr.

J. T. BALDWIN, Mine Boss.

CABIN CREEK CONSOLIDATED COAL CO.

Series No. 654. *Ruby Mine*.—This mine is located near Decota on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a

drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a furnace is only fair, but it is the intention of the company to install a fan as soon as a new opening is complete. In some parts of the mine the roof is bad, which requires very careful timbering. Drainage is fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 26, 1907, has been furnished this office. With the present mine development and equipment and a full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Ruby Mine, No. 459 of the printed report.

A. P. SHERER, Supt.

JOHN PETTY, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

WEST VIRGINIA COLLIERY CO.

Series No. 655. *No. 1 Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a ten-foot Stine fan is fairly good. The roof is fair; drainage good. The law is fully complied with regarding oil, powder, stretchers, rules, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 850 tons per day.

This mine was reported last year as West Virginia Mine No. 1, No. 449 of the printed report.

K. D. QUARRIER, Supt.

GEO. BUCKLEY, Mine Boss.

C. A. CABELL, Gen. Mgr.

CABIN CREEK CONSOLIDATED COAL CO.

Series No. 656. *United Gas Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an eight-foot Thayer fan and a furnace is fairly good. The roof is very bad and dangerous and requires very careful timbering to make it safe. Drainage is only fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 27, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 700 tons per day.

This mine was reported last year as United Gas Mine, No. 470 of the printed report.

A. P. SHERER, Supt.

G. L. MORAN, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

Series No. 657. *United Splint Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good, except a thin draw slate. Drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December 26, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as United Splint Mine, No. 471 of the printed report.

A. P. SHERER, Sept.

D. S. HOLMES, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

WEST VIRGINIA COLLIERY CO.

Series No. 658. *No. 2 Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. Only a few men have been employed inside this mine during the past year and the ventilation produced by natural causes has been fair. The roof is bad and dangerous and requires careful timbering to make it safe. Drainage is fair. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as West Virginia No. 2 Mine, No. 450 of the printed report.

K. D. QUARRIER, Supt.

J. C. SMITH, Mine Boss.

C. A. CABELL, Gen. Mgr.

Series No. 659. *No. 3 Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by natural causes has always been found fairly good. Roof is good; drainage good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. This mine consists of several openings, which comply with the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as West Virginia No. 3 Mine, No. 451 of the printed report.

K. D. QUARRIER, Supt.

C. L. PETTY, Mine Boss.

C. A. CABELL, Gen. Mgr.

Series No. 660. *No. 4 Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by three temporary furnaces is only fair, but the management has promised to install two fans as soon as openings are broken together. In some parts of the mine the roof is bad and requires careful timbering to make it safe. Drainage is only fair. The law is fully complied with regarding oil, powder, stretchers, safety lamps, rules and anemometer. This mine consists of several openings, which comply with the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as West Virginia Mine No. 4, No. 452 of the printed report.

K. D. QUARRIER, Supt.

ROBERT WALKER, Mine Boss.

C. A. CABELL, Gen. Mgr.

CABIN CREEK CONSOLIDATED COAL CO.

Series No. 661. *Belleclare Mine*.—This mine is located at Decota on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by three and eight-foot Thayer fans and one furnace is fair. The roof is good; drainage good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. Some parts of the old mine are very dry and dusty, which necessitates watering to allay the dust. A map showing the workings of this mine dated December 26, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Belleclare Mine, No. 458 of the printed report.

A. P. SHERER, Supt.

JOE FILKINS, Mine Boss.

IRA F. DAVIS, Gen. Mgr.

CARBON COAL CO.

Series No. 662. *South Mine*.—This mine is located near Decota on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by three seven-foot Stine fans is fairly good. In some parts of the mine the roof is not good and requires very careful timbering to make it safe. Drainage is good. The law is fully complied with regarding oil, powder, stretchers, safety lamps, rules and anemometer. The second opening to this mine meets all the requirements of the law. Some parts of this mine are very dry and dusty, which necessitates watering to allay the dust. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine

development and equipment, and full force of men this mine is capable of producing 700 tons per day.

This mine was reported last year as South Mine, No. 444 of the printed report.

C. A. CABELL, Gen. Mgr.

LEE JENKINS, Mine Boss.

Series No. 663. *No. 5 or Splint Mine.*—This mine is located near Decota on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an eight-foot Thayer fan is good. Roof is good except a draw slate about three inches thick, which generally comes down with the coal. Drainage is good. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. Some parts of this mine are very dry and dusty in the winter season of the year, which necessitates watering to allay the dust. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as No. 3 Mine, No. 445 of the printed report.

C. A. CABELL, Gen. Mgr.

LEE JENKINS, Mine Boss.

REPUBLIC COAL CO.

Series No. 664. *No. 1 Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. Owing to the bad condition of the doors and stoppings, and fan being inside the mine, the ventilation produced by a seven-foot Stine fan is not good, but the management has promised to have the fan changed and the stoppings repaired. The roof is very bad and requires careful timbering to make it safe. Drainage is good, and some parts of the mine are very dry and dusty, which necessitates watering to allay the dust. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as No. 1 Mine, No. 446 of the printed report.

JOHN C. GILMOURE, Supt.

CABELL PIERCE, Mine Boss.

C. A. CABELL, Gen. Mgr.

Series No. 665. *No. 2 Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. Owing to the bad condition of doors and stoppings, and fan set inside the mine, the ventilation produced by a seven-foot Stine fan is not good, but the man-

agement has promised to have the fan changed and stoppings and doors repaired. Roof is good. Drainage is good and some parts of the mine are very dry and dusty, which necessitates watering to allay the dust. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as No. 2 Mine, No. 447 of the printed report.

JOHN C. GILMOURE, Supt.

OWEN MEADOWS, Mine Boss.

C. A. CABELL, Gen. Mgr.

Series No. 666. *No. 3 Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R., and on Cabin creek; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a seven-foot Sfine fan is good. Roof is good; drainage good and in some parts of the mine it is dry and very dusty during the winter season, which necessitates watering to allay the dust. The law is fully complied with regarding oil, powder, rules, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Republic No. 3 Mine, No. 448 of the printed report.

JOHN C. GILMOURE, Supt.

J. L. WINKLER, Mine Boss.

C. A. CABELL, Gen. Mgr.

RALEIGH COUNTY.

BIG COAL CO.

Series No. 667. *Dorothy Mine.*—This mine is located on the Coal River extension of the Cabin Creek branch of the C. & O. R. R., and Coal river; is a drift opening operating the Coalburg coal on the double and triple entry systems. The ventilation produced by a ten-foot Jeffrey fan is good. The roof is good; drainage good. The law is fully complied with regarding oil, rules, powder, stretchers, safety lamps and anemometer. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated July 1, 1908, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as Dorothy Mine, No. 531 of the printed report.

CHARLES E. SANDBERG, Supt.

CHARLES E. FOSTER, Mine Boss.

SEVENTH DISTRICT.

GENERAL SUMMARY OF THE SEVENTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings.	No. of Persons Killed.	EMPLOYEES.								Production of		
			Inside.					Outside.			Coal.	Coke.	
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	Sum Totals.	Tons of 2,240 lbs.)	Tons of 2,000 lbs.)
Clay (part)...	2	...	40	...	...	10	50	11	...	11	61	14,285	...
Fayette (part) 39	3	...	1,124	189	46	344	1,703	267	194	461	2,164	1,035,594	135,386
K'n'wha (p't) 35	6	...	429	643	140	342	1,554	257	...	257	1,811	1,043,972	...
Nicholas 8	...	...	69	71	16	31	187	26	...	26	213	61,806	...
Totals . . .	84	9	1,662	903	202	727	3,494	561	194	755	4,249	2,155,657	135,386

OFFICE OF THE SEVENTH DISTRICT MINE INSPECTOR.

Charleston, W. Va., Sept. 26th, 1908.

HON. JAMES W. PAUL,

Chief of the Department of Mines,

Charleston, West Virginia.

DEAR SIR:—In compliance with section 3 of the Mining Law I herewith respectfully submit to you my annual report as Inspector of the Seventh Mining District of West Virginia for the year ending June 30th, 1908.

The first seven months of this fiscal year was spent in charge of District No. 11 having been transferred to the Seventh District on February 1st, 1908, I will confine my report in detail (as to the conditions of the Mines) to the Seventh District.

Seventy-three mines are included in the Seventh District divided in the different counties as follows:

Kanawha county, 27.

Fayette county, 36.

Nicholas county, 9.

Clay county, 1.

Since the printing of the last annual report, the following seven mines are found to have been abandoned; which are not included in the above number.

Klondike Mine.

No. 6 Mine and

Lewiston or Blue Hole Mine at Coalburg, operated by Coalburg-Kanawha Coal Co.

Black Cat Mine in the Lewiston seam at Crown Hill operated by South-western Splint Fuel Co.

Lewiston Mine and Belmont Mine of Winifrede Coal Co., formerly Belmont Coal Co., at Crown Hill, and

St. Clair No. 2 Mine of St. Clair Colliery Co., at Eagle.

Twelve Mines have been closed down during the last half of the fiscal year. Only two new mines have been opened since the printing of last year's report: Herberton Mine, at Herberton on the Virginia Railway, and Columbia No. 5 Mine at Kimberly on Armstrong Creek.

During the last half of the fiscal year five fans have been constructed, as was recommended at the time of inspection. At Grose No. 1 Mine on Paint Creek, Hendley No. 3 Mine at Handley, Eureka No. 14 on Morris Creek, Carver Bros. No. 3 Mine at Eagle and Gamoca No. 2 Mine at Gamoca.

Fans at several other mines have been recommended, and assurances have been received that the same will be constructed.

The principal improvements having been made in the Seventh District consists of improvement in ventilation, such as building stoppings, opening air-ways, better drainage, the making of break-throughs between rooms, and efforts to eradicate solid shooting.

A record has been kept of 127 inspections having been made, and 26 important visits having been made to the mines.

Many other visits were made for miscellaneous purposes of which no record was kept. During the year about five full weeks was spent at the Monongah Mine disaster in the northern part of the state.

Considerable time was also taken up with the Mining Legislative Investigating Committee. The mines in the Seventh District have worked so very poor, during the last half of the fiscal year that, as many visits was made when the mines was found idle and when no inspection could be made; as the number of visits made when it was possible to make inspections.

During my work in the 11th District, over 30 prosecutions was had for violation of the "Oil" provision of the law and for taking excessive quantities of powder into the mines. Convictions were had in all cases against miners and mine laborers, but no conviction was had in any prosecution against mine bosses or employes connected with the company.

In the Seventh District only two prosecutions were had, one for neglect to provide a mine bosses' record book; and one for operating a mine without ventilation, or having the fan in operation; and, failure to provide stretcher and blankets. Conviction was had in each case; a fine was paid in the former case, the latter being appealed to court.

The only handicap that I encountered during the year on account of "weakness in the law," was in the 11th district, in the enforcement of Section 24 relative to the use of steam locomotives inside the mines.

I consider section 24 of the mining law very weak.

As to being handicapped through "inability to secure prosecutions of violations of the law in court proceedings" the case against the Turkey Gap Coal & Coke Co. in the 11th District can be mentioned.

After prosecution was entered against said company for violation of section 24, the circuit court issued a writ prohibiting the magistrate from hearing the case, on the ground of lack of jurisdiction; and setting the time of hearing on the writ, several months in the future.

At the suggestion of the Judge of the Circuit Court a second prosecution was again entered before Mayor Epling of Keystone.

Conclusive evidence was offered by three District Inspectors showing the injurious effects of the steam locomotives in said mine.

The Magistrate's Court promptly decided "that there was no violation of the law. It was afterwards learned that the Magistrate before hearing the case, had visited said mine in company with the Superintendent and "observed no ill effects" without having asked for any representative of the mining department to be present at the time of his visit to said mine.

"To strengthen the present law by amendments," I would suggest that Section 5 be amended so that mine maps will show any old, or new workings of any adjoining mines of any other company when approached within a stated distance, say 1,000 feet. And that all companies be required to furnish such information to that company whose property is being approached.

That Section 6 be repealed entirely; and that a provision be substituted providing for prosecution and fine for failure to furnish maps, or to make corrections, after due notice has been given.

That Section 11 be amended so as to give authority to district inspectors to stop any working place where the amount of ventilation does not obtain as required by said section.

That Section 13 be amended so as to provide for the employment of a fire boss in *any* mine where explosive gas is known to be liberated in *any* quantity; and that *every* working place be examined before the men are allowed to enter therein to work.

In mines where black damp or any other nature of gas, or gases, other than explosive gas, is known to exist the same shall be examined before men are allowed to enter for the purpose of working therein.

That Section 15 be amended so as to provide that all breakthroughs be kept reasonably clear of obstructions (for the passage of air).

And that, in addition to the miners being privileged to request timber, that the mine boss be required to keep each working place supplied with a minimum number of posts and caps. That the mine boss be required to forward to the district inspector a copy of the notice required to be given his employer in case of any inability to comply with the mining laws.

Section 16 undoubtedly was intended to protect life and health in the mines, by giving the chief of the department authority to close a mine when in his judgment the conditions so justify. Experience has proven that a coal company has the advantage over the department, in furnishing a preponderance of evidence to the Court, that their mine should not be closed. I would recommend that the law be so amended, as to give the department equal opportunity; and also to preserve to the coal

companies ample opportunity against any error of judgment on the part of mine inspectors.

I would recommend that Section 24 relative to the use of steam locomotives in mines be made more definite.

I believe the oil regulations of the mining law should be revised. I am convinced that oils for which the miners are required to pay a high price, and which does withstand the hydrometer test, produce as much smoke as much cheaper oils do.

I would recommend a section to the laws, providing the privilege for representatives of the employes to accompany an inspector throughout the mine, and that the inspector shall extend to such representative such an invitation.

So far I have not yet experienced that any sections of the law are impractical.

As to requiring the employment of shot firers, where there is danger of solid shooting or blown out shots, I consider the employment of shot firers; and that all shots be fired when all other men are out of the mine to be the most safe method. Unless a flameless explosive is found that will be satisfactory for the blasting of coal, and in which the danger of igniting coal dust is eradicated.

As to requiring mine foremen to undergo an examination as to their competency: if there would be no other question involved except solely the question of competency, then undoubtedly I would favor that not only should mine foremen undergo an examination but it should be equally necessary that mine superintendents should undergo an examination. Because very frequently the competency of mine foremen is entirely destroyed by the incompetency of the superintendent as far as the safety of the mine is concerned.

If it be well that mine foremen and superintendents undergo an examination then it seems to me that mine inspectors should also undergo an examination.

The safety of the lives of men in mines (especially shaft mines) to a great extent is dependent upon the competency of engineers and firemen, and likewise they, too, should undergo an examination.

But the competency of men in charge of mines is not the only question involved. Recompense to the injured, and those left dependent in case of fatal accident, in my judgment, is equally as important and worthy of consideration.

So long as (according to decisions of courts) employers are relieved of responsibility in case of accidents, when the men in charge are required to undergo an examination, I could not conscientiously favor a law requiring examinations of mine managers.

The proper, fair and strict enforcement of mining laws, in my opinion, would require the employment of competent mine managers.

A mine foreman who does make conditions in a mine in accordance with the mining laws, in my judgment, is fully competent.

The mere fact of a mine foreman having passed an examination does not cause him to do his duty or to obey the provisions of the laws. The

placing of the proper responsibility upon the owners or operators of mines, and the strict and full enforcement of the laws, in my judgment, will do more to cause the employment of competent mine managers than the enactment of any additional laws.

As to prevention of accidents on inclines, I can only suggest that separate or special means be provided for the transportation of men up and down the inclines, such as an extra rope, special cars, couplings and equipment for the purpose.

As to having co-operation from the miners in giving them the protection the law contemplates, I regret to say that the great majority of the miners do not give the co-operation that their own welfare would suggest. And to the contrary, many miners not only neglect to obey the laws in some respects, but entertain enthusiasm in violating sections of the laws, and frequently provide the means by which it becomes impossible to enforce the law upon the operator. However, it should be said, (in justice to the miners), that the men in charge of mines and the operators to a great extent are responsible for the action of the miners, and are more to blame for these facts than the miners.

As to whether the operators are inclined to co-operate in the enforcement of the laws, many operators fully observe the laws, and are willing to comply when attention is called to neglect or oversight of the provisions of the laws. But the general practice is among some operators to make promises, but constant and persistent effort is required to have the promises fulfilled.

As to important particulars in which I have been unable to have a compliance with the law, I have been unable to have the regulations of the mining department complied with regarding solid shooting.

As to the use of flameless explosives, the operators contend that it is unsatisfactory and the miners refuse to use it.

The general contention of the miners against the use of flameless explosives is the question of cost, and to some extent that it is not satisfactory.

Many operators contend that they do not have any solid shooting because notices are posted prohibiting solid shooting, and some mining is done, and in such cases the shooting is called "shooting over a heel."

This contention is shared by the miners.

However, the facts are that the holes are drilled far beyond the depth of the mining, and on the sides far into the rib, to such an extent that, in my judgment, the danger is not lessened any more than if no mining was done.

I have also been unable so far, to have a compliance with the laws, in some old mines that have become very dilapidated, as to ventilation, timbering and loose top.

As to instances where prosecutions were brought for violations and which were unsuccessful, as hereinbefore mentioned, in the 11th district and prosecution against any person, or persons, connected with mine management was unsuccessful.

As to whether the present law is sufficient to meet all the conditions in the seventh district, and if it is fully observed by the operators and miners, the present laws do not provide against the dangers of riding on inclines, and does not bear upon the question of equipment for a fan that is run by electric power. The laws are not fully observed by either miners or operators.

I do not consider that the *number* of mines in the seventh district interferes with the rendering of the most efficient service.

As to whether clerical work takes up too much of my time, will say that the amount of clerical work should either be reduced or the facilities for doing such work should be increased.

As to what improvement may be made in the law regarding the liberation of gas in dangerous quantity, the same question is involved as hereinbefore mentioned in regard to the authority of the chief of the department to close a mine.

It is a question of difference of judgment between mine inspectors and the company involved, and the company has the advantage to submit to a court a preponderance of evidence in support of their contention.

I might suggest that a commission of say three competent mining men selected by some impartial method should decide if a mine is liberating gas in dangerous quantities whenever an operator may see fit to appeal from the action of the chief of the department.

As to what character of accidents predominate in the seventh district, will say that accidents by fall of roof and coal predominate.

I am of the opinion that shooting from the solid, improperly placed shots and excessive charges of explosives, under certain character of roof, does cause unnecessary loosening of the roof, and that accidents occur thereby that would not occur if the coal was properly mined and properly blasted.

I wish to call attention to what I firmly believe is the most important matter in connection with the administration of the mining laws, and which should receive the most earnest consideration of all concerned. The strict enforcement of whatever mining laws we have is paramount to any question of improvement or amendment that could be made to the mining laws. There is a difficulty existing at times in the way of enforcement of the laws that should never exist.

I regret to have it to report that during the last year I experienced the fact that there are coal operators who will endeavor to have a district inspector removed from office rather than obey the mining laws, or carry out the recommendations made by the inspector.

Unless the district inspector has the opportunity to feel that he will be fully supported and protected in his just efforts to enforce the laws, we can readily understand what the result might be.

This cannot be accomplished by legislation, but rests with those who may be in superior authority and power.

I believe that coal operators have now and always will have ample means to resist any unreasonableness or unfairness that may exist upon the part of a district inspector.

It should also be recognized that it is equally important that a district inspector should do his full duty, and if failing to have the mining laws fully observed, the responsibility for such failure should be properly placed, and the circumstances should be made a matter of public record and public knowledge.

Some mines which are now included in the seventh district, which were included in the fifth district prior to July 1, 1907, have conditions obtaining therein, that prove conclusively that the district inspectors prior to that time failed to have the mining laws observed in said mines.

There is no record to show that the proper effort was made by the district inspectors to have the laws complied with, hence it remains to be construed that the district inspectors in such case neglected to perform their duty. This fact has given no end of trouble.

When operators of said mines are requested to make the necessary improvements they feel that they are being unfairly dealt with, as they themselves have stated that "no other inspector ever found fault with their mines."

It has been exceedingly difficult, and, in some cases, impossible to have the operator to understand that regardless of what other inspectors may have done that it is a matter of duty that the improvements necessary must be insisted upon. I am glad to say, however, that this is the exception. The great majority of operators take kindly to the administration of the laws, and readily make compliance when requested.

In conclusion, I am very well pleased with the progress made during the last year, and the cordial treatment met with by both miners and operators generally. I thank you for all the courteous treatment and assistance received.

Very respectfully yours,

WILLIAM WARNER,
Mine Inspector, Seventh District.

CONDITION OF THE MINES IN THE SEVENTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz, 714 indicates the seventh district and number 14 mine.

KANAWHA COUNTY.

COALBURG-KANAWHA COAL CO.

P. O., COALBURG, W. VA.

Series No. 702. *No. 4 Mine.*—This mine is located at Coalburg on the C. & O. R. R., operating in the Coalburg seam. The ventilation is produced by a six-foot Thayer fan. The ventilation is good on the entries but the air current is not carried into the rooms as the law requires. Drainage is not good. Some bad roof, but timbering was good. Break-throughs are neglected to some extent, and the stoppings were not airtight. All the necessary recommendations were made, that the condi-

tions required, and the management gave assurances that the same would be carried out.

This mine was reported last year as No. 5 Mine, No. 474 of the printed report.

J. A. WILLIS, Supt.

JOHN M. BURGRAF, Mine Boss.

Series No. 701-704. *P. S.—The Klondike Mine, No. 6 Mine and the Lewiston or Blue Hole Mine*, reported in last year's printed report as Nos. 473, 475 and 476, having been operated by this company, have not been in operation during this fiscal year.

SOUTHWESTERN SPLINT FUEL CO.

P. O., CROWN HILL, W. VA.

Series No. 705. *Black Cat Mine*.—Is located at Crown Hill on the C. & O. R. R., is a drift and incline mine operating the Coalburg seam. A seven-foot fan is provided for ventilation. Up to the close of the fiscal year this mine has not been in operation; up to that time no inspection was made of the interior of the mine, although several visits were made. This mine was not reported in last year's printed report.

Black Cat Mine reported in last year's printed report as No. 481 has been abandoned.

A. P. BRADY, Supt.

WM. POFF, Mine Boss.

WINIFREDE COAL CO.

P. O., CROWN HILL, W. VA.

Series No. 708. *New Coalburg Mine*.—Is located at Crown Hill on the C. & O. R. R., is a drift and incline mine operating the Coalburg seam. An eight-foot fan is provided for ventilation. This mine was not in operation up to the close of the fiscal year, and no inspection was made up to that time. This mine was not reported in last year's printed report. This property was formerly owned by the Belmont Coal Co. The Lewiston Mine and Belmont Mine No. 3 reported in last year's printed report as Nos. 477 and 478 have been abandoned.

J. R. KING, Supt.

WM. CRICHTON, Mine Boss.

EQUITABLE COAL CO.

P. O., CROWN HILL, W. VA.

Series No. 709. *No. 8 Mine*.—Is located at Crown Hill on the C. & O. R. R., and is a drift and incline mine, operating the Coalburg seam. The ventilation is produced by an eight-foot fan which was running very irregular. The air current was not turned into the rooms and the breakthroughs were neglected. There were no safety lamps on hand. A mine boss's record book was on hand but no air measurements were recorded therein. The company was urged to arrange so that the fan would have sufficient power to run steadily, and all other necessary recommendations were made.

This mine was reported last year as No. 8 Mine, No. 480 of the printed report.

E. L. BRUER, Supt.

JOHN P. HUDNALL, Mine Boss.

PAINT CREEK COLLIERIES CO.

P. O., MUCKLOW, W. VA.

Series No. 710. *Scranton Mine*.—Is located at Mucklow on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Coalburg seam. The ventilation is produced by a sixteen-foot fan and was found to be good except on the fourth S. E. entry, and the air current was not turned into the rooms, because there was no canvas provided. Roof was quite bad in places, but the timbering was good. The mining laws are well observed in other respects.

This mine was reported last year as Scranton Mine, No. 484 of the printed report.

JOHN A. GREENE, Supt.

JOHN J. COX, Mine Boss.

Series No. 711. *Paint Creek Mine*.—Is located at Mucklow on the Paint Creek branch of the C. & O. R. R., it is an incline and drift mine operating the Coalburg seam of coal. The ventilation is produced by a ten-foot fan. The method of ventilation is good, as several overcasts are used; but the fan is considered too small for the territory of the mine, and the area space in front of the fan is considered too small in proportion to the area throughout the mine. It was considered that an excessive amount of powder was being used in blasting, and it was found that miners had practiced "burning up the powder smoke" after shots were fired. Solid stoppings were being built along the main haulage road. It was recommended that the quantity of powder used in blasting be reduced, and that more overcasts be built, thereby abolishing trap doors.

This mine was reported last year as Paint Creek Mine, No. 485 of the printed report.

J. A. GREENE, Supt.

F. M. BURKE, Mine Boss.

C. W. RODGERS, Gen. Supt.

Series No. 712. *Wacomah Mine*.—Is located at Wacomah on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Coalburg seam. The ventilation is produced by an eight-foot fan and was found good in volume but was not carried into the rooms as required by law. Breakthroughs were neglected in some places. Only one safety lamp was kept on hand at the mine. The necessary recommendations were made, and the management promised to comply with the same at once.

This mine was reported last year as Wacomah Mine, No. 490 of the printed report.

JOHN A. GREENE, Supt.

HARRY JOHNSON, Mine Boss.

Series No.... *Wacomah No. 7 Mine*.—Is located at Wacomah on the Paint Creek branch of the C. & O. R. R., is a drift mine, and the coal is handled over the same incline as the Wacomah mine, operates the Coalburg seam of coal. The ventilation is produced by a furnace, but the furnace was neglected to such an extent that no ventilation whatever obtained. A letter was issued to the management of the company

requesting that no men be allowed to work in said mine unless sufficient ventilation would obtain as provided by law. The management gave assurances that the ventilation would be remedied at once.

This mine was not reported in last year's printed report.

JOHN A. GREENE, Supt.

HARRY JOHNSON, Mine Boss.

Series No. 713. *Banner No. 1 Mine.*—Is located at Wacomah on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Coalburg seam. The ventilation is produced by an eight-foot fan and was found to be good, and well distributed. Only one safety lamp was found on hand. Solid stoppings are built along the main entry, and the mining laws are well observed in all other respects.

This mine was reported last year as Banner No. 1 Mine, No. 494 of the printed report.

J. A. GREENE, Supt.

D. F. WATERS, Mine Boss.

Series No. 714. *Banner No. 2 Mine.*—Is located at Wacomah on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Crown Hill seam of coal, or Lewiston seam. The ventilation is produced by a furnace, and was found quite sufficient for the present development. Shot firers are employed to fire all shots from the solid. The mining laws are well observed in all other respects.

This mine was reported last year as Banner No. 2 Mine, No. 495 of the printed report.

J. A. GREENE, Supt.

D. F. WATERS, Mine Boss.

STANDARD SPLINT & GAS COAL CO.

P. O., STANDARD.

Series No. 715. *Standard Mine.*—Is located at Standard, on Paint creek, on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine operating the Coalburg seam of coal. The ventilation is produced by a ten-foot fan and was good, well distributed and carried into the rooms, but splits in the air current were not made as required by law. All other conditions were in compliance with the law.

This mine was reported last year as Standard Mine, No. 496 of the printed report.

WALTER WOOD, Supt.

ED. FOSTER, Mine Boss.

PAINT CREEK COLLIERIES CO.

P. O., CHARLESTON, W. VA.

Series No. 716. *Detroit Mine.*—Is located at Detroit on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Eagle seam of coal. The ventilation is produced by an eight-foot fan and was found to be good in volume on the entries, but the air current was not turned into the rooms as required by law. Breakthroughs were somewhat neglected. Some men were found not provided with copies of the laws. The necessary recommendations were made.

This mine was reported last year as Detroit Mine No. 1, No. 491 of the printed report.

JOHN A. GREENE, Supt.

GEO. BOBBETT, Mine Boss.

Series No. 717. *Morton No. 1 Mine*.—Is located at Detroit on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Eagle seam. This mine has not been in operation during the last half of the fiscal year and no inspection was made.

This mine was reported last year as Morton Mine No. 1, No. 492 of the printed report.

JOHN A. GREENE, Supt.

Series No. 719. *Nuckolls Mine*.—This mine is located at Nuckolls on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the No. 2 Gas seam. This mine has not been in operation and no inspection was made.

This mine was reported last year as Nuckolls Mine, No. 493 of the printed report.

Series No. 720. *Grose No. 1 Mine*.—Is located at Tomsburg on the Paint Creek branch of the C. & O. R. R., and is a drift and incline mine, operating in the Eagle seam of coal. At the time of the first inspection the ventilation was produced by a furnace and was insufficient. The management was notified accordingly and requested to install a fan, which was done at once. Breakthroughs were neglected and stoppings were not good. It was recommended that stoppings be built of solid material.

This mine was reported last year as Grose No. 1 Mine, No. 486 of the printed report.

FRANK KERNS, Supt.

C. E. MORRIS, Mine Boss.

Series No. 721. *Grose No. 2 Mine*.—Is located at Tomsburg on the Paint Creek branch of the C. & O. R. R., and is a drift and incline mine, operating the No. 2 Gas seam. The ventilation is produced by a furnace; the volume was found sufficient, but the air current was not carried forward as the law requires. Breakthroughs were neglected. Only one safety lamp was found on hand.

This mine was reported last year as Grose No. 2 Mine, No. 487 of the printed report.

FRANK KERNS, Supt.

J. W. RHODES, Mine Boss.

Series No. 722. *Greenbrier No. 2 Mine*.—Is located at Tomsburg on the Paint Creek branch of the C. & O. R. R., and is a drift and incline mine, operating the No. 2 Gas seam. The ventilation is produced by an eight-foot fan and was found to be very good, and well distributed and turned into the rooms. All other conditions were found to be well up to law requirements.

This mine was reported last year as Greenbrier No. 2 Mine, No. 488 of the printed report.

FRANK KERNS, Supt.

EDW. SIMMS, Mine Boss.

Series No. 723. *Greenbrier No. 3 Mine*.—Is located at Tomsburg on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine, operating the Winifrede seam of coal. The ventilation is produced by an eight-

foot fan and was found to be not carried sufficiently forward on the "Hog" and "Main" entries. The drainage was fair, some bad roof, but the timbering was good. Some solid shooting was being practiced. The company was furnished with a written request, that solid shooting should be done under regulations issued by the mining department, and the other necessary recommendations were made.

This mine was reported last year as Greenbrier No. 3 Mine, No. 489 of the printed report.

FRANK KERNS, Supt

LEE PATRICK, Mine Boss.

IMPERIAL COLLIERY CO.

Series No. 724-725. *No. 1 Mine and No. 2 Mine.*—Are located at Imperial, and reported last year as Nos. 497 and 498 of the printed report, have been closed down, and no inspections have been made.

Series No. 726. *No. 3 Mine.*—Is located at Burnwell on the Paint Creek branch of the C. & O. R. R., is a drift and incline mine operating the Eagle seam of coal. The ventilation is produced by an eight-foot fan and was found to be good, well distributed and carried into the rooms. All conditions in this mine were found to be good, and the mining laws are well observed.

This mine was reported last year as No. 3 Mine, No. 499 of the printed report.

QUINN MORTON, Supt.

H. D. HOWELL, Mine Boss.

CHESAPEAKE MINING CO.

Series No. 727. *No. 1 Mine.*—Is located at Handley on the C. & O. R. R., operating the Kanawha seam of coal. The ventilation is produced by a ten-foot Thayer fan, and was badly insufficient. The intake air was being brought through the old workings of an abandoned adjoining mine. The fan was connected with the trolley wire, and all three mines were supplied with power from the one generator, causing the fan to be stopped by short circuits, and to be run exceedingly slow whenever the motor ran up a steep grade entering the mine. Some parts of the mine were dusty; and breakthroughs were neglected. The electric wires were badly constructed. The fan was found to exhaust nearly three times the volume of air, as found to be entering the intake, on account of openings in the old workings allowed to be connected with the return air course. Shooting from the solid was found to be practiced at the time of the first inspection. The management was notified to improve the ventilation at once in accordance with the law. It was urged that an independent wire be run from the power house to supply the fan motor; and other recommendations were made as the conditions of the mine required. Subsequent visits showed that good improvements had been made in the ventilation, stoppings improved, etc., and independent wire from the power house. Only one working place was found where the drill holes had been bored into the solid.

* This mine was reported last year as No. 1 Mine, No. 500 of the printed report.

JOHN CARTER, Supt.

J. F. WHITE, Mine Boss.

JOHN W. MOORE, Gen. Mgr.

Series No. 728. *No. 2 Mine.*—This mine is located at Handley on the C. & O. R. R., is a drift and incline mine operating the No. 2 Gas coal. The ventilation is produced by a ten-foot Thayer fan. At the time of the first inspection the ventilation was not carried into the rooms as provided by law. Breakthroughs between rooms were neglected. Stoppings along the main entry leaked. The return air course to the fan was impassable. Considerable dust was allowed to be accumulated. Sprinkling had been neglected. The only means provided for sprinkling was an ordinary water car, without any attachments. The mine foreman was found working at other duties, and admitted that the work given him to do (such as laying track, etc.) made it impossible for him to attend to his duties required by the mining law. The mine foreman was considered quite incompetent. The wires leading to the fan were in bad condition. The drill holes were bored into the solid to such extent that it was considered solid shooting. It was recommended that the fan be removed to one of the openings closer to the workings, and where it would be under surveillance; that the mine foreman visit every working place every alternate day as the law requires; and all other necessary recommendations were made as the conditions required, and in accordance with instructions issued by the chief of department of mines. Upon subsequent inspections it was found that all recommendations had been and were being carried out, except that the management had failed to carry out any of the regulations of the department regarding solid shooting, as recommended.

This mine was reported last year as No. 2 Mine, No. 501 of the printed report.

JOHN CARTER, Supt

H. L. VIERS, Mine Boss. Later

JNO. W. MOORE, Gen. Mgr.

GEO. WALKER was made Mine Boss.

Series No. 729. *No. 3 Mine.*—Is located at Handley on the C. & O. R. R., and is operating the Coalburg seam. At the time of the first inspection the ventilation was produced by furnaces. The ventilation was not sufficient and the management was requested to install a fan. Previous inspectors had made the same request. Breakthroughs were filled with gob. The mine was dry and some dust accumulated. The electric wires were badly constructed, and holes were bored into the solid. All the necessary recommendations were made in accordance with the law, and the instructions issued by the department. Subsequent visits were made, when a fan was being installed, and after the fan was in operation. The ventilation was found sufficient and other good improvements had been made. Drill holes found bored into the solid continued, and the management claimed to have experimented with flameless explosives as recommended, but found the same unsatisfactory. The management had posted notices prohibiting solid shooting, and was urg-

ing the miners not to bore holes into the solid. An ordinary water car was the only means for sprinkling.

This mine was reported last year as No. 3 Mine, No. 502 of the printed report.

JOHN CARTER, Supt.

GEO. WALKER, Mine Boss.

JOHN W. MOORE, Gen. Mgr.

MONTGOMERY COAL CO.

Series No. 730. *Hickory Nut Mine*.—Is located some distance from the Upper Creek Mine, the same seam (Kanawha) is being worked. Only natural ventilation obtained and but five men were employed at the time of inspection. The ventilation was deficient; the management promised that said operation would soon be abandoned.

This mine was not reported in last year's report.

S. H. MONTGOMERY, Supt.

S. P. JOHNSON, Mine Boss.

Series No. 731. *Possum Hollow Mine*.—Is located between Handley and Montgomery on the C. & O. R. R., operating the Kanawha seam of coal. The ventilation is produced by a four-foot fan inside the mine, and was very deficient, on account of the breakthroughs having been neglected, and stoppings in bad condition. A number of places were ordered stopped until ventilation was made sufficient. The second opening did not meet the requirements of the law. The management was notified to comply with the law at once. A subsequent visit showed the said requests were fulfilled.

The report of this mine last year was contained in No. 503 of the printed report.

S. H. MONTGOMERY, Supt.

S. P. JOHNSON, Mine Boss.

Series No. 733. *Upper Creek Mine*.—Is an opening on the other side of the mountain from Possum Hollow Mine. The coal is handled over the same incline and operates the same seam (Kanawha) of coal. The ventilation is produced by a ten-foot fan which produces good ventilation when the fan is running. Because of lack of power, the fan is stopped during the time the motor makes a trip into the mine and returns out, and over a hill into the next mountain. And at times, on account of lack of power the speed of the fan is greatly reduced. All other conditions were found fairly good. It was recommended that improvements be made so that the fan would run constantly, and that a recording pressure gauge be installed at the fan to record the constancy of the fan's operation.

This mine was reported last year as Kanawha Mine, No. 503 of the printed report.

S. H. MONTGOMERY, Supt.

S. P. JOHNSON, Mine Boss.

MORRIS CREEK COAL CO.

P. O., MONTGOMERY, W. VA.

Series No. 734. *Morris Creek Mine*.—Is located at the head of Morris creek, on the C. & O. R. R. This mine has not been in operation and was not inspected.

This mine was reported in last year's printed report as Morris Creek Mine, No. 504.

FAYETTE COUNTY.

PAINT CREEK COLLIERIES CO.

Series No. 735. *Hickory Camp Mine*.—Is located on the Paint Creek branch of the C. & O. R. R., at Mahan, is a drift and incline mine and operates the Eagle seam of coal. The ventilation is produced by an eight-foot fan and was found to be very good, and well distributed. All other conditions were found to be good and all sections of the mining law were being well observed.

This mine was reported last year as Hickory Camp Mine, No. 275 of the printed report.

FRANK KERNS, Supt.

R. F. TOWNSEND, Mine Boss.

MECCA COAL & COKE CO.

P. O., MONTGOMERY, W. VA.

Series No. 736. *Mecca No. 2 Mine*.—Is located at Donwood on Morris creek, a branch of the C. & O. R. R., and operates the No. 2 Gas seam. A fan located on the inside of the mine and a ten-foot fan on the outside were supposed to provide ventilation. The outside fan was a force fan and the opening to the entrance of the intake was closed in. It was impossible to discern any air current that said fan was producing. The same air current after having been used to ventilate Edgewater No. 2 and Edgewater No. 3 Mines was supposed to ventilate this mine by the use of the inside fan. The power consumed by the motor and mining machines deprived the fan of sufficient power to run steadily. Many of the workmen complained of black damp. The haulage road was in extremely bad condition, much loose top resting upon very rotten timbers. Many of the timbers were broken, and side timbers sagged, making conditions extremely dangerous. Conditions were so extremely bad that recommendations were withheld and the chief of the department of mines requested to assist in making a joint inspection. A joint inspection was subsequently made, accompanied by the chief of the department of mines and all necessary recommendations made as required by the conditions found.

This mine was reported last year as Mecca No. 2 Mine, No. 280 of the printed report.

WM. CARVER, Supt.

JOHN H. TASKER, Mine Boss.

Series No. 737. *Old Mecca No. 5 Mine*.—Is located at Donwood on Morris creek, on the C. & O. R. R., is a drift and incline mine, the coal being handled over the same incline as the New Mecca No. 5 Mine. The No. 5 seam of coal is operated. This mine depends upon natural ventilation and is considered insufficient, there being no circulation of air at working places. The drainage is exceedingly bad. The necessary recommendations were made in accordance with the conditions.

This mine was reported last year as Mecca No. 5 Mine, No. 281 of the printed report.

WM. CARVER, Supt.

J. W. ARMONTROUT, Mine Boss.

Series No. 737a. *New Mecca No. 5 Mine.*—Is located at Donwood on Morris creek on the C. & O. R. R., is a drift and incline mine operating the No. 5 seam of coal. The ventilation is produced by a furnace, and was found to be inadequate. A number of men were ordered to stop work on account of lack of ventilation. Drainage was bad. The mine boss was not provided with a mine boss's record book and no air measurements were made. Two safety lamps were kept at the office in place of at the mine. A letter was furnished the company, urging that no men be employed to work where sufficient ventilation did not obtain as the law requires. The management gave assurances that a fan would be constructed.

This mine was not reported last year in the printed report.

WM. CARVER, Supt.

J. W. ARMONTROUT, Mine Boss.

EUREKA COLLIERIES CO.

Series No. 738. *Eureka No. 13 Mine.*—Is located at Donwood on Morris creek, a branch of the C. & O. R. R., and operates the No. 2 Gas seam. The ventilation is produced by a ten-foot fan, and was not sufficient under prevailing conditions to keep the mine clear of black damp. There was but one available traveling way from the interior of the mine, which was the haulage road. The only means by which the air current was conducted to the head of the workings was through a narrow passage way only a few square feet in dimensions and several hundred feet in length. The same was commonly known by the workmen as the "gun barrel." The haulage road was dry, and dust had accumulated in large quantities. The management was notified to comply at once with Section 8 of the mine laws regarding a second opening. Work has since been pursued in complying with said section of the law.

This mine was reported last year as Eureka No. 13 Mine, No. 276 of the printed report.

H. G. STEWART, Supt.

JOHN RICHARDS, Mine Boss.

EDW. PINKNEY, Gen. Supt.

Series No. 739. *Eureka Splint No. 14 Mine.*—This mine is located at Donwood on Morris creek, on a branch railroad of the C. & O., about two miles from Montgomery, and operates in the No. 5 seam of coal. It has natural ventilation and is not sufficient in the rooms or near the working faces. Several places were ordered stopped on account of lack of ventilation. The coal is shot from the solid. The mine is quite damp throughout. The management was notified to install a fan for ventilation, and that one of the regulations of the mining department be observed regarding solid shooting. The superintendent requested that I confer with the general superintendent regarding the recommendations made, which conference was held without any results. A conference was

brought about with the general manager at which the chief of the department of mines was present, when the general manager promised to have a fan installed at once. Several visits were paid subsequently to learn if recommendations had been carried out, but at the time of the closing of the annual year, no fan had been installed, and coal was continued to be shot from the solid.

This mine was reported last year as Eureka Splint No. 14 Mine, No. 277 of the printed report.

H. G. STEWART, Supt.

J. A. RICHARDS, Mine Boss.

EDW. PINKNEY, Gen. Supt.

W. R. JOHNSON.

Series No. 740. *Eagle No. 1 Mine.*—Is located on the C. & O. R. R. at Crescent, above Montgomery, and operates the Eagle seam of coal. The ventilation is produced by an eight-foot fan, and was exceedingly deficient. The air current did not reach the head of the workings, and no means was used to ventilate the rooms. A mine boss's record book was produced with a record of but one air measurement having been made, and it was learned afterwards that the acting superintendent made said record a few moments before producing the book. The drainage was very bad. A very poor quality of oil was furnished the miners, which failed to comply with the legal test for oil. The company was served with a written notice not to allow any person to work in any place where sufficient ventilation did not obtain as required by law; and other necessary recommendations were made. The mine was idle for several weeks following to make the necessary improvements.

This mine was reported last year as Eagle No. 1 Mine, No. 288 of the printed report.

THOS. BARTLAM, Supt.

L. M. MARTIN, Mine Boss.

Series No. 741. *No. 5 Splint Mine.*—Is located at Crescent on the C. & O. R. R., and operates the No. 5 vein. The coal is handled over the same tippie as the Eagle seam of No. 1 Mine. The ventilation depends upon natural causes, and does not reach the working places. When any air current exists, it passes from one opening directly out of the other opening. There is no system of drainage whatever. When tracks have been cleaned the dirt has been thrown on either side, causing the middle of the traveling ways to be filled with water and mud. No rules were posted; a stretcher and rubber blanket were on hand, but no woolen blanket. No safety lamps were kept on hand at the mine. The company was given notice in writing to improve the ventilation and drainage in accordance with the law.

This mine was reported last year as No. 5 Splint Mine, No. 290 of the printed report.

THOS. BARTLAM, Supt.

HEZ WEBSTER, Mine Boss

Series No. 741. *No. 6 Mine.*—This mine is a drift mine located above the No. 5 Splint Mine. The coal is handled over the same incline as No. 5 Mine and operates the No. 6 vein. The ventilation depends upon

natural causes, and at times is deficient. The drainage is very bad. The necessary recommendations were made.

This mine was not reported in last year's report.

The W. R. Johnson No. 2 Gas coal mine reported last year as No. 289 of the printed report, has been worked out and abandoned.

THOS. BARTLAM, Supt.

HEZ WEBSTER, Mine Boss.

THE CARVER BROS. CO.

P. O., EAGLE, W. VA.

Series No. 742. *No. 2 Mine.*—Is located at Eagle, on the C. & O. R. R., and is a drift and incline mine operating the No. 2 Gas seam. The ventilation is supposed to be produced by the same fan as at No. 3 mine. Nos. 2 and 3 Mines at Eagle and the Mecca No. 2 Mine on Morris creek are ventilated together, the same current of air supposed to be ventilating all three mines. The ventilation in this mine is bad. The drainage was fair, except near the pit-mouth. The roof and timbering were exceedingly bad and dangerous in places along the main haulage. Considerable black damp exists in this mine. The company was served with notice in writing of all violations of law and was urged to comply with the law requirements in all particulars.

This mine was reported last year as No. 2 Mine, No. 282 of the printed report.

JOHN E. CARVER, Supt.

FRANK CARVER, Mine Boss.

Series No. 743. *No. 3 Mine.*—Is located at Eagle on the C. & O. R. R., and is a drift and incline mine, operating the No. 2 Gas seam. The ventilation is produced by a ten-foot fan, and is very bad, in fact, was no ventilation. Drainage was bad in places. Considerable dust was allowed to accumulate. The roof and timbering along the main traveling way was exceedingly bad and dangerous. Stoppings were very bad. The company agreed to construct an additional sixteen-foot fan, and every effort was made to have the conditions of the mine brought up to law requirements.

This mine was reported last year as No. 3 Mine, No. 283 of the printed report.

JOHN E. CARVER, Supt.

THOS. THURMAN, Mine Boss.

Series No. 744. *No. 1 Mine.*—Is located at Eagle on the C. & O. R. R., and is a drift and incline mine operating the Eagle seam of coal. The ventilation is produced by a fifteen-foot fan, and was not sufficient at the working places. The drainage was bad, breakthroughs neglected and doors were in bad condition. The mine foreman was acting as drum runner and doing other work. The mine foreman admitted never having taken any air measurements, and admitted not to be able to do so. The company was notified in writing to improve the ventilation at once to law requirements and all other necessary recommendations were made.

This mine was reported last year as No. 1 Mine, No. 284 of the printed report.

JOHN E. CARVER, Supt.

JAS. THURMAN, Mine Boss.

Series No. 745. *Eagle Mine*.—Is located at Eagle on the C. & O. R. R., is a drift and incline mine. This mine has been closed down and no inspection was made.

This mine was reported last year as Eagle Mine, No. 285 of the printed report.

WM. CARVER, Supt.

Series No. 746. *No. 5 Mine*.—Is located at Eagle on the C. & O. R. R., and is a drift and incline mine operating in the No. 5 seam. This mine was closed down and no prospects of operating and no inspection was made.

This mine was reported last year as No. 5 Mine, No. 286 of the printed report.

WM. CARVER, Supt.

Series No. 747. *Diamond Mine*.—The tippie for this mine is located above Eagle on the C. & O. R. R. The openings are located a short distance up on Armstrong creek near Kimberly. This mine consists of five openings and operates the No. 2 Gas seam of coal. The first four openings are connected and are ventilated by an eight-foot fan. The ventilation was found to be good except that the air current was not carried into the rooms as the law requires. Work was being done to have conditions in this mine first class. Stoppings of solid material were being built, also overcasts. The No. 5 opening is not connected with the balance of the mine, and is ventilated separately by a sixteen-foot fan. The ventilation was found to be good when the fan was running, but on account of lack of power the fan was stopped at intervals, when the ventilation would be bad. Breakthroughs were neglected, and the air current was not carried into the rooms as the law provides. No safety lamps were found on hand at the mines; a stretcher with rubber blankets was kept at the mine but no woolen blankets. No rules were posted. The necessary recommendations were made, and the management promised to comply with the same.

This mine was reported last year as Diamond Mine, No. 287 of the printed report.

JAMES CARVER, Supt.

E. FORBES, Mine Boss.

ST. CLAIR COLLIERY CO.

P. O., EAGLE, W. VA.

Series No. 748. *Eagle No. 1 Mine*.—Is located at Eagle on the C. & O. R. R., is a drift and incline mine. This mine has been idle, and no inspection was made although visited several times.

This mine was reported last year as Eagle No. 1 Mine, No. 278 of the printed report.

St. Clair No. 2 mine reported in last year's printed report as No. 279 has been abandoned.

M. B. COAL CO. (FORMERLY CARDIFF COAL CO.)

P. O., KIMBERLY, W. VA.

Series No. 750. *Kimberly Mine*.—Is located at Kimberly on the Armstrong Creek branch of the C. & O. R. R., and is a drift and incline mine. This mine has been idle and no inspection was made.

This mine was reported last year as Kimberly Mine, No. 295 of the printed report.

C. C. SHARPE, Supt.

Series No. 751. *Columbia No. 2 Mine*.—Is located at Columbia, on the Armstrong Creek branch of the C. & O. R. R., operating the No. 2 Gas seam; is a drift and incline mine. This mine has been idle and no inspection was made.

This mine was reported last year as Columbia, No. 296 of the printed report.

C. C. SHARPE, Supt.

Series No. 752. *Columbia No. 5 Mine*.—Is located at Columbia on the Armstrong Creek branch of the C. & O. R. R., is a drift and incline mine, operating the No. 5 seam. This is a new mine recently opened, and only a few men are employed. Having failed to find it working on several visits, no inspection was made.

This mine was not reported in last year's printed report.

C. C. SHARPE, Supt.

Series No. 753. *Elkridge No. 1 Mine*.—Is located on Armstrong creek above Powellton, on the Armstrong Creek branch of the C. & O. R. R., operating the No. 2 Powellton seam. The ventilation is produced by a ten-foot fan, which was of sufficient volume, but the air current was not carried forward to the working faces as the law requires. The doors were not self-closing. The electric power was conveyed to the fan motor by connection from the trolley line. There was no mine boss's record book kept on hand and no air measurements were recorded; for which prosecution was entered, a conviction had and fine imposed.

This mine was reported last year as Cardiff Coal Co.'s Elkridge No. 1 Mine, No. 297 of the printed report.

C. C. SHARPE, Supt.

L. H. HORNSBY, Mine Boss.

Series No. 754. *Elkridge No. 2 Mine*.—Is located above Elkridge Mine No. 1, on the Armstrong Creek branch of the C. & O. R. R., operates the No. 2 Powellton seam of coal. This mine has been idle during the whole of the last half of the fiscal year and no inspection was made.

This mine was reported last year as Cardiff Coal Co.'s Elkridge No. 2 Mine, No. 298 of the printed report.

C. C. SHARPE, Supt.

THE MT. CARBON CO., LIMITED.

P. O., POWELLTON, W. VA.

Series No. 755. *Vulcan and South Mine*.—Is located at Powellton on the Armstrong Creek branch of the C. & O. R. R., and operates the

Gas seam of coal. The ventilation is produced by an eight-foot fan located inside the mine. At the time of the first inspection the ventilation was not sufficient and the air current was not carried sufficiently into the rooms as the law requires; but at a subsequent inspection the ventilation was very much improved. The condition of the roof and timbering inside the pit-mouth was considered dangerous. The management promised to abandon the pit-mouth in use and to arrange to bring out the coal at another opening. The traveling way from the interior of the mine to a second opening was not available as the law requires. This defect was remedied at once when requested of the management. The miners complained that timber was not supplied sufficiently prompt, and that no cap pieces were furnished.

This mine was reported last year as Vulcan and South Mine, No. 291 of the printed report.

D. T. EVANS, Supt.

GILBERT SMITH, Mine Boss.

GREAT KANAWHA COLLIERY CO.

P. O., MT. CARBON, W. VA.

Series No. 756. *Edwards Mine*.—Is located at Mt. Carbon, on the C. & O. R. R., and operates the Eagle seam of coal. The ventilation had been produced by a ten-foot fan. The fan had been destroyed by fire about three weeks prior to the time of first inspection, and the management had continued to operate the mine without any fan in operation. The mine was found to be without any air current in circulation except for a short distance on the main entry where the air entered the second opening and returning out the pit-mouth. The men working on the first left entry were ordered to cease work on account of lack of ventilation, and the mine boss ordered the balance of the men to cease working, admitting that there was no ventilation. Safety lamps were kept at the office instead of at the mine. No stretcher or blankets could be found. No mine boss's record book was kept on hand and no air measurements made as law requires. Prosecutions were entered against the management for operating the mine without ventilation, for neglecting to provide a mine boss's record book, and not making air measurements, and failing to provide stretcher and blankets. A conviction was had for operating the mine without ventilation and fine imposed. The company appealed the case. The management was acquitted of the charge of neglecting to furnish stretcher and blankets because the mine foreman testified on the witness stand that he had a stretcher and blankets locked in a box at the drum house. After the case was dismissed the mine boss volunteered the information that he never had a stretcher and blankets. When asked why he testified falsely, he said he referred to another adjoining mine, and had not been asked while on the witness stand as to what mine he referred to.

This mine was reported last year as Edwards Mine, No. 293 of the printed report.

EDW. PINKNEY, Supt.

JOHN EADES, Mine Boss.

Series No. 757. *Brewster Mine*.—Is located at Mt. Carbon on the C. & O. R. R., is a drift and incline mine; the coal being handled over the same incline as the Digby Mine. The No. 2 Gas seam of coal is operated. Only a few men are employed, drawing pillars. This mine has never been found in operation, although several visits have been made. No inspection was made.

This mine was reported last year as Brewster Mine, No. 292 of the printed report.

EDW. PINKNEY, Supt.

JOHN EADES, Mine Boss.

Series No. 758. *Digby Mine*.—Is located at Mt. Carbon, on the C. & O. R. R., is a drift and incline mine operating the No. 2 Gas seam. This mine is provided with an eight-foot fan for ventilation. Only a few men are employed, drawing pillars. Never having found this mine in operation, no inspection was made although several visits were made.

This mine was reported last year as Rhinolas Mine, No. 294 of the printed report.

EDW. PINKNEY, Supt.

JOHN EADES, Mine Boss.

LOUP CREEK COLLIERY CO.

Series No. 759. *Ansted Mine*.—Is located at Page, on the Virginia Railway, and consists of several openings operating the Ansted seam of coal. Several furnaces are used to ventilate, and some of the openings depend upon natural ventilation. The ventilation was not considered sufficient. The necessary recommendations were made, and it was recommended that flameless explosives be used for blasting of the coal.

This mine was reported last year as Ansted Mine, No. 299 of the printed report.

J. J. MARSHALL, Supt.

D. S. DOOLEY, Mine Boss.

Series No. 760. *Eagle Mine*.—Is located at Page, on the Virginia Railway, is a drift and incline mine operating the Eagle seam of coal. The ventilation was produced by a furnace, and was found to be insufficient. Several men were ordered to stop work on account of lack of ventilation. Some shooting from the solid was found to be practiced; and the mine foreman admitted that he was unable to prevent holes from being drilled into the solid. Notices were posted prohibiting solid shooting. The management was served with written notice not to permit men to work where sufficient ventilation does not obtain as required by law, and that the regulations regarding solid shooting as issued by the mining department be observed.

This mine was reported last year as Eagle Mine, No. 300 of the printed report.

J. J. MARSHALL, Supt.

D. S. DOOLEY, Mine Boss.

HERBERT COLLIERIES, INCORPORATED.

P. O., HERBERTON, W. VA.

Series No. 761. *Herberton Mine*.—Is located at Herberton, on the Virginia Railway about 27 miles from Deepwater; is a drift mine, the coal is conveyed to the tipples by means of cables and buckets. The ven-

tilation is produced by two furnaces, and was found to be fairly good. All other conditions were found good. Very little black powder was used for blasting, flameless explosives were mostly used; but only four or five inches of fuse was used in firing shots with flameless explosives which was considered a dangerous practice. The necessary recommendations were made.

This mine was not reported in last year's printed report.

J. D. PRIBBLE, Supt.

JAMES KUHN, Mine Boss.

FORT DEFIANCE COAL & COKE CO.

Series No. 762. *Fort Defiance Mine*.—Is located near Old Gauley on the C. & O. R. R., and is a drift and incline mine, operating the No. 2 Gas seam of coal. This mine consists of two separate openings, both openings being ventilated with a furnace. This mine has worked so poorly that it was found idle at the time of each visit, and no inspection was made up until the close of the fiscal year.

This mine was reported last year as Ft. Defiance Mine, No. 301 of the printed report.

T. R. RAGLAND, Supt.

K. E. SMITH, Mine Boss,

LYNCHBURG COLLIERY CO.

P. O., VENETTA, W. VA.

Series No. 763. *Lynchburg Mine*.—Is located at Venetta on the Gauley branch of the C. & O. R. R., is a drift and incline mine and operates the No. 2 Gas seam. The mine has natural ventilation, and at the time of inspection the ventilation was found good, and quite well distributed. All other conditions were found in accordance with the law. Some shooting from the solid was found. Prosecutions were entered against those found shooting from the solid, for violation of the company's rules, but the parties disappeared before the time of hearing before the justice. It was recommended that flameless explosives be used for blasting in order to avoid the dangers of solid shooting.

This mine was reported last year as Lynchburg Mine, No. 274 of the printed report.

T. A. DELTZ, Supt.

J. A. GRISSINGER, Mine Boss.

GAMOCA COAL CO.

P. O., GAMOCA, W. VA.

Series No. 764. *Gas No. 2 Mine*.—Is located at Gamoca on the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the No. 2 Gas seam. The ventilation is produced by a furnace and was found to be very bad, no circulation of air current at all at head of the mine. The management promised to discontinue operations until a fan was installed. The main haulage road in some places was dusty.

This mine was reported last year as Gas No. 2 Mine, No. 270 of the printed report.

There was no mine boss employed at the time of inspection.

J. M. CAMPBELL, Supt.

Series No. 765. *Splint No. 5 Mine*.—Is located at Gamoca on the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the No. 5 seam of coal. The ventilation is produced by a ten-foot fan and was considered good in volume but required to be split in accordance with the provisions of the law. Drainage was good except inside the pit-mouth. Only one safety lamp was kept on hand for both Nos. 5 and 2 Mines. A mine boss's record book was found on hand at the office but no air measurements were recorded therein. The necessary recommendations were made.

This mine was reported last year as Splint No. 5 Mine, No. 271 of the printed report.

J. M. CAMPBELL, Supt.

W. H. THOMPSON, Mine Boss.

DEITZ COLLIERY CO.

P. O., WYNDALL, W. VA.

Series No. 766. *Deitz No. 2 Mine*.—Is located at Wyndall on the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the No. 2 Gas seam. It has a furnace ventilation and was found only fair.

This mine was reported last year as Deitz No. 2 Mine, No. 272 of the printed report.

L. D. MORAN, Supt.

J. A. GREINER, Mine Boss.

Series No. 767. *Deitz No. 5 Mine*.—Is located at Wyndall on the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the No. 5 seam of coal. The ventilation is produced by a furnace and was found to be sufficient. All other provisions of the law were being quite well observed. Both miners and the management admitted that there were a number of places in both the Deitz mines that it was impossible to have the mining done by pick; although the management had notices posted prohibiting solid shooting. The management was requested to have all solid shooting done in accordance with the regulations of the mining department.

This mine was reported last year as Deitz No. 5 Mine, No. 273 of the printed report.

L. D. MORAN, Supt.

JOHN CHRISTIAN, Mine Boss

NICHOLAS COUNTY.

BELL CREEK COAL CO.

P. O., BELVA, W. VA.

Series No. 768. *Bell Creek Mine*.—Is located at Belva on the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the Coalburg seam of coal. The ventilation is produced by a six-foot fan and was found of sufficient volume but was not turned in the rooms as the law provides. Drainage was not good; some bad roof, but timbering was good. Breakthroughs were neglected. Did not find any men

that were given copies of the mining laws. The necessary recommendations were made as the conditions required.

This mine was reported last year as Bell Creek Mine, No. 512 of the printed report.

CLYDE WOOD, Supt.

S. M. TAYLOR, Mine Boss.

COLUMBUS COAL CO.

P. O., VAUGHAN, W. VA.

Series No. 769-770. *Nos. 1 and 2 Mines.*—These mines are located at Vaughan on the Gauley River branch of the C. & O. R. R. No. 1 Mine is a drift mine. No. 2 is a drift and incline mine. The No. 1 Mine operates the No. 2 Gas seam, and the No. 2 Mine operates the Lewiston seam. These mines are in the hands of a receiver, and have not operated since January 1st, 1908. No inspections were made.

These mines were reported last year as Mines Nos. 1 and 2, Nos. 513 and 514 respectively of the printed report.

The mines are in charge of the receiver.

RAVEN COLLIERIES (FORMERLY THE PAINT CREEK COLLIERIES CO.)

P. O., GREENDALE, W. VA.

Series No. 771. *Raven Mine.*—Is located at Greendale on Rock Camp creek at the head of the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the Lewiston seam of coal. The ventilation is produced by an eight-foot fan and was found to be good, and well distributed. It was recommended that the trolley wire be protected at crossings. This coal is extremely hard. Miners and the management claim that it is impossible to do mining by pick. Considerable machine mining is done. The management gives assurance that all coal that is being shot from the solid will be with the use of flameless explosive.

This mine was reported last year as Raven or Greendale Mine, No. 519 of the printed report.

F. H. SNYDER, Supt.

WALTER CUTHERBERSON, Mine Boss.

KENTUCKY COAL & LUMBER CO.

P. O., CAMBRIA, W. VA.

Series No. 772-773-774. *Mt. Carmel Mine, Cambria Mine, National Mine and Scott Mine.*—These mines are located on Open Fork of Bell creek on the Gauley River branch of the C. & O. R. R. This company having gone into the hands of a receiver, the mines have not been in operation and have not been inspected. The Scott Mine was formerly owned by the Gauley Consolidated Coal Co.

The Cambria, Mt. Carmel and National Mines were reported last year in the printed report as Nos. 515, 516 and 517 respectively. The Scott Mine was not reported in last year's printed report.

L. D. BURNS, Supt.

ARMINIUS COAL CO.

P. O., SCOTFORD, W. VA.

Series No. 775. *Arminius Mine*.—Is located at Scotford on the Open Fork of Bell creek, on the Gauley River branch of the C. & O. R. R., is a drift and incline mine. The ventilation is produced by a furnace. Several visits were made to this mine but never found working and no inspection was made.

This mine was reported last year as Arminius Mine, No. 518 of the printed report.

G. E. SMITH, Supt.

S. W. SMITH, Mine Boss.

CLAY COUNTY.

CARTER COAL CO.

P. O., SCOTFORD, W. VA.

Series No. 777. *Carter Mine*.—Is located at Scotford on the Open Fork of Bell creek, on the Gauley River branch of the C. & O. R. R., is a drift and incline mine operating the Coalburg seam of coal. The ventilation is produced by a furnace. Several visits were made to this mine, and it has been practically idle, never being able to find it working, no inspection was made.

This mine was reported last year as Carter Mine, No. 230 of the printed report.

WM. TAMPLIN, Supt.

LEONARD ARTHUR, Mine Boss.

KENTUCKY COAL & LUMBER CO.

P. O., SCOTFORD, W. VA.

Series No. 778. *Scott Mine*.—This mine was formerly owned by the Gauley Consolidated Coal Co., and not being in operation, there were no inspections made.

This mine was reported last year as Scott Mine, No. 231 of the printed report.

EIGHTH DISTRICT.

GENERAL SUMMARY OF THE EIGHTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.		No. of Openings.	No. of Persons Killed.	EMPLOYES.										Production of		
				Inside.					Outside.					Sum Totals.	Coal.	Coke.
				Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals .	Laborers.	Coke Workers.	Totals	(Tons of 2,240 lbs.)	(Tons of 2,000 lbs.)			
Fayette (part)	64	23		2,430	551	186	1,075	4,242	176	174	650	4,892	2,311,877	89,515		
Greenbrier.....	1	....		25	.....	.....	13	38	5	....	5	43	36,066	.....	
Totals	65	23		2,455	551	186	1,088	4,280	481	174	655	4,935	2,347,943	89,515		

OFFICE OF THE EIGHTH DISTRICT MINE INSPECTOR,

Thurmond, W. Va., September 19th, 1908.

HON. JAS. W. PAUL,

Chief of the Department of Mines,

Charleston, W. Va.

DEAR SIR:—In compliance with the requirements of the Mining Law, I herewith submit my first annual report, of the Eighth District, ending June 30, 1908.

I was first assigned the Seventh District, comprising Nicholas, part of Fayette and Kanawha counties, in which district I made ninety-nine regular inspections and five extra visits. I was then transferred to the Eighth District February 1st, 1908, in which district I have made fifty-nine regular inspections and twenty-five extra visits, making a total for the year of one hundred and fifty-eight regular inspections and thirty extra visits.

In addition to the above inspections and visits, I was called to the Monongah disaster for five weeks and to the Pocahontas coal field for more than one week.

The mines in this district have made great strides in regard to conditions in and about them. The greatest improvement has been in ventilation, as a good number of mines in this field had been developed with very little attention paid to ventilating them. The furnace and the so-called natural ventilation prevailed in a large number of mines, but at the present time a greater number have equipped their mines with fans, and in most cases are getting good results. There is a good deal

of improvement under headway at this time, but owing to the slack run and low market conditions that have prevailed in this field for some time, it has been rather difficult to get all the improvements, called for by law, executed promptly.

I have had to bring prosecutions against the operator, mine foreman and miner in a number of cases the latter part of this year, to have the law complied with, reports of which will be shown in the monthly bulletin.

In conclusion I wish to say that it is with a feeling of gratitude that I express my sincere thanks to you for the wise counsel and advice you have given me in the discharge of my duties.

I also wish to express my sincere thanks to the operators, mine foremen and miners for the courteous treatment shown me in the execution of my duties.

Very truly yours.

J. A. STRAUGHAN,
Mine Inspector, Eighth District.

In my report for the year ending June 30, 1908, I am requested that it be:

First:—Completed and filed in this office not later than September 30, 1908.

Second:—That in my report I make mention of:

(a) Wherein I have been handicapped in the exercise of my duties through any weakness in the law.

Ans. I have had no direct cases wherein I have been handicapped.

(b) Wherein I have been handicapped through inability to secure prosecutions of violations of the law in court proceedings.

Ans. I have been successful in all prosecutions.

(c) Wherein I think the present law could be strengthened by amendments.

Ans. (1) Sec. 10. The present law reads, "No person shall travel on foot to or from his work upon any slope engine plane or motor roads when other good roads are provided for that purpose." The law should read, "No person shall travel on foot to or from his work upon any slope engine plane or motor road while the mine is in operation, and no person shall be allowed to ride in steel cars under any electric voltage."

(2) Sec. 11. The present law reads, "And all breakthroughs between the intake and return air ways not required for the passage of air shall be closed with stoppings substantially built, with suitable material, which shall be approved by the district mine inspector." The law should say that material to be used and where (taking the power from the inspector), as I am having some trouble to get this ruling carried out.

(3) Sec. 13. The law should compel all gaseous mines to equip their fans with self-recording gauges, and records kept of same for inspection, and all fans driven by electric power should have a separate wire line and this wire line should be connected between generator and switch or

circuit breaker so as to avoid the fan stopping whenever there is a circuit thrown in the mines.

(4) The law should demand that at each and every gaseous mine where locked safety lamps are used, there should be a qualified person to examine, clean, fill, lock and to know that each lamp is in safe condition before leaving the lamp room or house.

(5) Sec. 15. There should be a law prescribing the minimum area of all air ways, and this should not be under 48 square feet.

(6) Sec. 15. All shafts and slopes to be examined before work time each day; examine spreader chains, ropes, rope sockets, safety catches, guides and steam knock-offs. Also keep all signals in proper working condition, anneal all chains once per month and test all safety catches once each week. All ropes to be turned end for end every three months. A dated report of the above to be kept at the mine for inspection.

(7) All ropes on inclines to be changed end for end every six months; couplings and chains to be annealed once per month.

(8) Sec. 23. The law should prescribe the conditions under which solid shooting may be permitted. I think it should be prohibited entirely, as it is a dangerous practice under any condition.

(9) Sec. 24. The law should prescribe the conditions under which steam locomotives may be used within mines.

(d) Wherein any particular section of the law is impractical, and my reasons therefor.

Ans. Reasons given above.

(e) The advisability of requiring the employment of shot firers.

Ans. By placing shot firers at all mines it would reduce the danger of explosions a great deal, and in case of an explosion the number of lives lost would be greatly reduced. The best manner of dealing with this would be to remove the dangers as far as possible and there would be very little need of shot firers.

(f) The advisability of requiring mine foremen to undergo an examination as to their competency.

Ans. It would raise the standard of mine foremen and give better protection to those employed under them and better results to their employers.

(g) My idea as to the most practical method of preventing accidents on inclines.

Ans. To allow no person to ride on cars or wooden horses up or down inclines, and when practical have safety hoist provided to take men to and from their work.

(h) Whether I have the co-operation of the miners in my efforts to give them the protection the law contemplates.

Ans. In most cases.

(i) Whether the operators are inclined to co-operate with me in the enforcement of the law.

Ans. In most cases.

(j) In what important particular have I been unable to have a compliance with the law.

Ans. None where we have direct law to cover.

(k) Cite instances where I have brought prosecutions for violations of the law and been unsuccessful.

Ans. None.

(l) Is the present law sufficient to meet all the conditions in my district, if it is fully observed by the operator and miner.

Ans. No; we haven't got direct law to meet all conditions.

(m) Are your duties such that the number of mines in your district interferes with you rendering the most efficient service.

Ans. I think so. Am unable to get over district as prescribed by law.

(n) Do your office or clerical duties take up too much of your time.

Ans. With the number of mines I have to inspect I would say yes.

(o) Outline in what way, in your judgment, the law may be improved upon in regard to the liberation of gas in dangerous quantity.

Ans. Proper distribution of sufficient ventilation to the working faces to render all gases harmless, and by placing bore holes from the surface to the strata to bleed off any gases generated.

(p) What character of accidents predominates in your district.

Ans. Accidents resulting from falls of slate or draw slate.

(q) Does the method of improperly placing shots and excessive charges of explosives cause unnecessary accidents by falls of roof.

Ans. I would say in a great many cases it does.

CONDITION OF THE MINES IN THE EIGHTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 815 indicates the eighth district and number 15 mine.

FAYETTE COUNTY.

MILL CREEK COLLIERY CO.

P. O., ANSTED, W. VA.

Series No. 801. *Mill Creek Mine*.—This mine is located on the Mill Creek branch of the C. & O. Ry., one-half mile from Hawks Nest. This is a drift mine operating the Sewell seam, averaging two feet ten inches in thickness. The development is by the double entry system, and the ventilation is furnished by a ten-foot fan which gives good results. They have recently completed an air plant which is in operation at this time to cut the coal. I have given this mine very close attention as it has been generating explosive gas in dangerous quantities. It was placed on locked safety lamps throughout but on my last inspection there I removed them except in two entry headings. They have recently gone over all stoppings, repairing and making them air tight. All conditions in and about this mine are reasonably good.

WM. H. EVANS, Mgr. JIM JOHNSON, Mine Foreman and Fire Boss.

GAULEY MOUNTAIN COAL CO.

P. O., ANSTED, W. VA.

Series No. 802-803. *Nova Scotia and Turkey Creek Mines*.—These mines are drift mines located at Ansted on the Mill Creek branch of the C. & O. Ry., three miles from Hawks Nest, operating the No. 2 Gas seam of coal which averages about five feet in thickness. These mines have from two to four miles to haul their coal, principally outside tramroad; electric motors and steam locomotives are used. The mines are developed on the double entry system, having three fans to ventilate their mines. On my inspection I found the ventilation not distributed to the working faces as it should be. Their refuge holes were in only parts of their mine. Their top or roof which is a slate formation is very good in the rooms but bad on the entries, requiring a large quantity of timber to be used, which is looked after very promptly. Their drainage was only fair at this inspection on account of a large quantity of surface water coming into the mine. All other conditions filled the requirements of law.

R. C. TAYLOR, Supt.

JAS. A. MARTIN, Mine Foreman.

CROFT & EVANS.

P. O., ANSTED, W. VA.

Series No. 804. *Pine Top Mine*.—This mine is located at Ansted on the Mill Creek branch of the C. & O. Ry., three miles from Hawks Nest. This mine has been idle the greater part of the year and have made no inspection.

WM. H. EVANS, Mgr.

SIGNAL KNOB COAL CO.

P. O., ANSTED, W. VA.

Series No. 805. *Signal Knob Mine*.—This mine is located at Ansted on the Mill Creek branch of the C. & O. Ry., three and one-half miles from Hawks Nest. This mine has been idle for some time and have made no inspection.

WM. H. EVANS, Mgr.

GAYMONT COLLIERY CO.

P. O., ELMO, W. VA.

Series No. 806. *Gaymont Mine*.—This mine is located on the main line of the C. & O. Ry., one mile east of Hawks Nest. It is a drift mine operating the Sewell seam, which has a thickness of three feet, with a slate roof which is very good when taken care of. The development is on the double entry system and ventilated by a twelve-foot steam fan which furnishes a sufficient volume of air, which is not distributed to the working faces properly. At times, Pollick's heading No. 1 generates explosive gas but is well taken care of with a good volume of air. The drainage on the haulage road was not in good condition. Their at-

tention was also called to the loose slate and refuge holes on their main haulage. All other conditions were reasonably good.

JNO. DEMPSEY AND

THOS. TOLER, Mine Foreman.

H. B. CLARKSON, Supts.

SUNBEURY COAL & COKE CO.

P. O., ELMO, W. VA.

Series No. 807. *Sunny Side Mine*.—This is a drift mine located on the main line of the C. & O. Ry., two miles east of Hawks Nest operating the Sewell seam, which has a thickness of about three feet. The roof is slate and very good except on main motor haulage. Parts of this haulage have been affected by squeezes in past years. This mine generates small quantities of explosive gas but is well taken care of with a seven-foot electric exhaust fan. The second opening did not meet the requirements. Their refuge holes were not in good condition and drainage was only fair in parts of mine. All other conditions were in reasonably good shape.

JNO. DEMPSEY AND

R. J. MORTON, Mine Foreman.

H. B. CLARKSON, Supts.

BEURY-NEW RIVER COAL CO.

P. O., ELMO, W. VA.

Series No. 808. *Elmo Mine*.—This is a drift mine located at Elmo on the main line of the C. & O. Ry., three miles east of Hawks Nest, operating the Sewell seam which has a thickness of about three feet. The roof is slate and very good except some loose slate on motor haulage. Their drainage is only fair in parts of mine. The ventilation is produced by a ten-foot Thayer fan located twenty-five hundred feet inside of mine and only gives fair results. They are preparing to remove the fan to the outside where it will give better results. Their refuge holes did not meet the requirements. At this time they are only working the entries preparing to start a retreating system of long wall equipped with the latest machinery to cut and load the coal. All other conditions were in reasonably good condition.

JNO. DEMPSEY AND

J. E. PERKINS, Mine Foreman.

H. B. CLARKSON, Supts.

MICHIGAN COAL CO.

P. O., FAYETTE, W. VA.

Series No. 809. *Michigan Mine*.—This is a drift opening located on the main line of the C. & O. Ry., three and one-half miles east of Hawks Nest, operating the Sewell seam with a thickness of about three feet. The roof is slate and is very good except on the entries in places where it gives trouble if not looked after very closely. The mine is developed on the double entry system and ventilated by furnace which does not give good satisfaction. They promised to place a fan in the near future. This mine generates small quantities of explosive gas in their main

straight headings also in Musgrave entry. Their cross-cuts between entries and rooms were made at required distance but not large enough to permit any air to pass through. I found this was a very common practice throughout this field. All other conditions were reasonably good.

JAS. D. BOONE, Supt.

E. E. SIMS, Mine Foreman.

MANUFACTURERS & CONSUMERS COAL CO.

P. O., FAYETTE, W. VA.

Series No. 810. *Newlyn Mine*.—This is a drift mine located on the main line of the C. & O. Ry., four miles east of Hawks Nest or one mile west of Fayette Station. They are operating the Sewell seam with a thickness of about three feet. The roof is slate and is very good when taken care of. Their ventilation is produced by an eight-foot Thayer exhaust fan, which gives a good volume of air but was not distributed to the working faces properly. Their drainage was not in good condition but they were making preparation to improve it. Other conditions were reasonably good.

P. H. HENRY, Supt.

JAS. W. SIMS, Mine Foreman.

THE FAYETTE COAL & COKE CO.

P. O., FAYETTE, W. VA.

Series No. 811. *Fayette Mine*.—This mine is located at Fayette Station on the main line of the C. & O. Ry., five miles east of Hawks Nest. It is a drift mine operating the Sewell seam on the double entry system. They have an average thickness of near three feet with slate roof which is good when looked after. Their ventilation is produced by a furnace which does not give good satisfaction. As this is an old mine, the air has to travel a long distance and the furnace does not balance the conditions at times. Their drainage is only fair in sections. All other conditions were reasonably good.

DAVE REECE, Supt.

D. W. RHODES, Mine Foreman.

NUTTALLBURG COAL & COKE CO.

P. O., NUTTALLBURG, W. VA.

Series No. 812. *Nuttallburg Mine*.—This mine is located on the main line of the C. & O. Ry., seven miles east of Hawks Nest and at Nuttall Station. It is a drift mine operating the Sewell seam with a thickness of four feet. The roof is slate and is very good, when looked after. Their ventilation is produced by an eighteen-foot electric exhaust fan which gives a large volume of air but owing to this being a very old mine and a long distance under ground, and their stoppings only in fair condition the volume of air in their advance workings was limited. The second opening was placed in condition to travel at a considerable cost. The refuge holes do not meet the requirements at this inspection. The fine coal dust was allowed to accumulate on the entries. They were instructed to water and remove this at once. All other conditions meet the requirements of the law.

L. C. BEIRNE, Supt.

J. G. EDWARDS, Mine Foreman.

HOLLIDAY COAL CO.

P. O., BEAUTY, W. VA.

Series No. 813. *Keeneys Creek Mine*.—This mine is located on the main line of the C. & O. Ry., eight miles east of Hawks Nest and ten miles west of Thurmond. There are a number of openings from a tramway on the outside in the Sewell seam which averages about three feet six inches in thickness. This is a slate roof and owing to them working very close to the crop surface it is full of slips and rotten, making them use a large quantity of timber. Their drainage is also bad at a certain time of the year. Their second opening does not meet the requirements in part of their mine, but are driving to make one. In parts of this mine the ventilation is produced by the Nuttallburg fan; other parts they depend on natural ventilation which is very bad at times. In this mine the miners are inclined to shoot their coal from the solid and I am having trouble to stop it, also the powder law is violated here. Other conditions meet the requirements.

L. C. BELRNE, Supt.

J. W. SIMS, Mine Foreman.

KEENEYS CREEK COLLIERY CO.

P. O., BOONE, W. VA.

Series No. 814. *Boone Mine*.—This mine is a drift opening located three miles from Keeneys Creek Junction on the Keeneys Creek branch of the C. & O. Ry., operating the Sewell seam which averages about three feet six inches in thickness. The roof is slate and takes very close attention, and plenty of timber. The mine is developed on the double entry system and ventilated with an eight-foot exhaust electric fan which gives fair results. The refuge holes and stoppings on main entry do not meet the requirements. This mine has practically changed the location of all their work and remodeled everything, making a great improvement in conditions.

LEE LONG, Mgr.

CHAS. HIGGINS, Mine Foreman.

BALLENGER COAL CO.

P. O., NUTTALLBURG, W. VA.

Series No. 815. *Ballenger No. 2 Mine*.—This mine is located three and one-half miles from Keeneys Creek Junction on the Keeneys Creek branch of the C. & O. Ry. This is a drift mine operating the Sewell seam with natural ventilation which was fairly good on my inspections. They only work a few men, principally all pillar work. The life of this mine is very short unless they open up other property. The drainage on the haulage was only fair. The roof is slate with draw slate that comes down in most of the work. The loose slate on entries was brought to the attention of mine foreman. All other conditions were in fairly good shape.

GEORGE HOLLAND, Supt.

F. M. OHLINGER, Mine Foreman.

Series No. 816. *Ballenger No. 1 Mine*.—This mine is located four miles from Keeneys Creek Junction on the Keeneys Creek branch of the C.

& O. Ry. It is a drift mine operating the Sewell seam of coal which averages three and one-half feet in thickness with a slate roof and draw slate which comes down usually as the coal is taken out. The mine is developed on the double entry system. The ventilation is produced by a gasoline eight-foot fan and furnace and with the improvement that has recently been made in repairing stoppings, placing check doors on entry, etc., they have excellent air. All other conditions in and about the mine were found to be fairly good.

GEORGE HOLLAND, Supt.

JOHN OHLINGER, Mine Foreman.

KEENEYS CREEK COLLIERY CO.

P. O., WINONA, W. VA.

Series No. 817. *Smokeless No. 1 Mine.*—This mine is located on the Keeneys Creek branch of the C. & O. Ry., five miles from Keeneys Creek Junction. They are operating the Sewell seam which averages nearly four feet. They have a slate roof which is very good when taken care of. Their drainage in their new mine, with the improvement they have made, is in fairly good condition, but not so good in the old mine. They work all their entries at this time double. Their ventilation is produced by an eight-foot electric exhaust fan which gives good results, after making several changes. All other conditions were found to be reasonably good.

LEE LONG, Mgr.

THOMAS SEACREST AND

FRANK BIERD, Mine Foremen.

ROTHWELL COAL CO.

P. O., DUBREE, W. VA.

Series No. 818-819. *Dubree Nos. 1 and 2 Mines.*—These mines are located on the Keeneys Creek branch of the C. & O. Ry., five and one-half miles from Keeneys Creek Junction. These are drift mines operating the Sewell seam which averages in thickness about three feet six inches. Their roof is sand rock which makes a good roof. The men are very careless in regard to timbering. The ventilation is produced by a twelve-foot electric exhaust fan which gives good results. Their second opening is a shaft sixty feet deep equipped with a ladder. All other conditions were found to be reasonably good.

H. H. ROTHWELL, Supt.

M. E. COPLEY, Mine Foreman.

BLUME COAL & COKE CO.

P. O., LOOKOUT, W. VA.

Series No. 820. *Blume Mine.*—This mine is located on the Keeneys Creek branch of the C. & O. Ry, seven miles from Keeneys Creek Junction, operating the Sewell seam which has a thickness of three feet to three feet six inches, with a slate roof which is very good except in patches where it needs very close attention. This mine is on the double entry system and is aired with a ten-foot steam exhaust fan which is giving fairly good results, after a good deal of improvement on this line. Their drainage is not up to requirements. Their refuge holes and

stoppings do not meet the requirements. All other conditions were found to be in fairly good shape.

D. W. BOONE, Supt.

J. A. McCALLISTER, Mine Foreman.

LOOKOUT COAL & COKE CO.

P. O., LOOKOUT, W. VA.

Series No. 821. *Lookout Mine*.—This mine is located on Keeney's creek on a branch of the C. & O. Ry., seven and one-half miles from Keeney's Creek Junction, operating the Sewell seam which averages three feet in their left mine. In their right mine they have been in to rock faults for some time and at this time they are doing nothing. These are drift mines with a slope to get leading to the tippie. Their right side is ventilated with a ten-foot steam exhaust fan with good results. Their left side ventilation is produced by a furnace with only fair results. Their roof is slate which is very good when looked after. Their drainage and stoppings could be improved. All other conditions meet the requirements.

D. W. BOONE, Supt.

J. A. McCALLISTER AND
ANDY BOONE, Mine Foremen.

MOSLEY & WALKER.

P. O., CLIFF TOP, W. VA.

Series No. 822-823-824. *Cliff Top Nos. 1, 2 and 3 Mines*.—These are drift mines located at Cliff Top on a narrow gauge road nine miles from Sewell Station. The Sewell seam is operated with a thickness varying from two and a half to three feet.

Mine No. 1.—This is an old mine with very little solid work left, principally pillars. This is natural ventilation, with slate roof which is very good when taken care of. The refuge holes in this mine do not meet the requirements. They were not using any check doors to conduct air current to working faces. All other conditions were fairly good.

Mine No. 2.—This is a new mine opened on the double entry system in which they were only employing two men at time of inspection, using the coal produced for home consumption.

Mine No. 3.—This mine is operated on the double entry system and ventilated by a Thayer electric eight-foot exhaust fan which gives good satisfaction. The second opening does not meet the requirements in this mine but I instructed them to cut door in fan casing until their second opening could be finished. All other conditions meet the requirements, except solid shooting with dynamite, which has been a practice with the miners at this mine for a long time. Mr. Mosley joined me in stopping it.

H. A. MOSLEY, Supt.

W. L. HERNDON, Mine Foreman.

PENNSYLVANIA & NEW RIVER COAL CO.

P. O., PENNBROOKE, W. VA.

Series No. 825. *Kohinoor Mine*.—This mine is located five miles west of Thurmond on the main line of the C. & O. Ry., operating the Fire

Creek seam of coal which averages about three feet in thickness. It is developed on the single and double entry systems with ventilation produced by a sixteen-foot electric exhaust fan which gives good results. The right side of this mine has been up against a rock fault but they are tramping around the hill further, with the hopes of getting around this fault. There was a quantity of fine dry coal dust on the entries. Their second opening did not meet the requirements. This mine is re-locating its incline, as the present one is very expensive to operate and the longest in the State. All other conditions meet the requirements. SMEDLEY BUTLER, Supt. EDWARD LITTLEJOHN, Mine Foreman.

FIRE CREEK COAL & COKE CO.

P. O., FIRE CREEK, W. VA.

Series No. 827-828. *Fire Creek and Buffalo Mines.*—These mines are located on the main line of the C. & O. Ry., at Fire Creek Station, four miles west of Thurmond. This is one of the oldest drifts in this section which is operating the Fire Creek seam with an average thickness of three feet six inches. The old mine has been suspended on account of insufficient ventilation. Their present working is on Buffalo creek where they operate on the single and double entry systems. Their ventilation is at present produced by furnace but they have a fan on the ground to install. Still with the improvement that has been made their furnace gives good results. Their drainage and stoppings could be improved. All other conditions meet the requirements.

H. L. ATKINSON, Supt.

ZEB ARINGTON, Mine Foreman.

BEURY BROS. COAL & COKE CO.

P. O., BEURY, W. VA.

Series No. 830. *Echo Mine.*—This mine is located three miles west of Thurmond on the main line of the C. & O. Ry. It is a drift mine operating the Fire Creek seam with an average thickness of four feet, and a slate roof which is very good except on haulage which has been very expensive to get in a fairly safe condition to travel on. Their ventilation is produced by an eight-foot electric exhaust Thayer fan located at Stone Cliff mine which gives fairly good results with the improvement that has been made on this line. This mine is developed on the double entry system except on the third and fourth left entries which are on the single entry style. These two left entries are coupled to old Central Mine where they are troubled at times with black damp, and owing to their being single entries this black damp is likely to give them future trouble. There is a small amount of fine coal dust on their rope haulage. Other conditions were in fairly good shape.

H. B. BEURY, Supt.

PETER WOLF, Mine Foreman.

BIG BEND COAL CO.

P. O., DIMMOCK, W. VA.

Series No. 831. *Big Bend Mine.*—This mine is located one mile west of Thurmond on the main line of the C. & O. Ry., operating the Fire

Creek seam which averages about three feet. The roof is slate and fairly good when timbered. The mine is developed on the double entry system at present, and is ventilated by an eight-foot steam exhaust fan recently installed, which gives better results than the old system. The refuge holes, loose slate on entries and drainage were not up to the requirements, also air records were not filled out properly. All other conditions filled the requirements.

JNO. DEMPSEY, Supt.

O. C. WISEMAN, Mine Foreman.

STONE CLIFF COAL & COKE CO.

P. O., STONE CLIFF, W. VA.

Series No. 832. *Stone Cliff Mine*.—This mine is located one and one-half miles east of Thurmond on the main line of the C. & O. Ry. The developments are in the Fire Creek seam which is three and one-half feet in thickness. The ventilation is produced by an eight-foot electric exhaust fan. With the improvements recently made it gives good results. The roof is slate principally, and in parts of mine not very good, requiring close attention. The drainage and stoppings could be improved. Other conditions found in reasonably good shape.

JNO. DEMPSEY, Supt.

G. D. McDANIELS, Mine Foreman.

THE BEECHWOOD COAL & COKE CO.

P. O., CLAREMONT, W. VA.

Series No. 833-834. *Beechwood No. 1 and 2 Mines*.—These mines are drifts located about three miles east from Thurmond on the main line of the C. & O. Ry., and operate in the Fire Creek seam.

Mine No. 1.—This mine is developed on the double entry system. The average thickness of the coal is four and one-half feet with a slate and rock roof which is very good when taken care of. The ventilation is produced by a twelve-foot steam fan, and with the improvement that has been made along this line the ventilation is good. This mine has a gravity incline inside of mine which no other mine in this field has. On my last inspection of this mine I found a small quantity of fine dry coal dust on the entry, also the miners were using dynamite to blast their coal in wet places. All other conditions were in reasonably good shape.

C. C. BEURY, Mgr.

R. B. HANNA, Mine Foreman.

Z. E. KITCHEN, Supt.

Mine No. 2.—This mine has been separated from Mine No. 1, and is developed on the single and double entry systems. They have recently installed a five-foot Robinson fan which they hope to get good results from, but at present their ventilation is very poor, on account of their stoppings and air ways in bad condition. The average thickness is four feet, the roof is slate and very good when taken care of. All other conditions were found to be in fairly good shape.

C. C. BEURY, Mgr.

J. H. NEAL, Mine Foreman.

Z. E. KITCHEN, Supt.

ALASKA COAL & COKE CO.

P. O., CLAREMONT, W. VA.

Series No. 835. *Alaska Mine*.—This is a drift mine located four miles east of Thurmond on the main line of the C. & O. Ry. The developments are in the Fire Creek seam and are conducted on the single and double entry systems. The average thickness is about four feet. The ventilation is produced by an eight-foot Thayer steam fan but owing to the mine being operated for years with no attention to making and maintaining air ways it is very difficult to properly ventilate it at present in the way it should be. Their second opening was a proposition to them for some time but have one at present which meets the requirements. Other conditions were found to be fairly good.

GEO. LAWTON, Supt.

S. M. PETERS, Mine Foreman.

EPHRIAM CREEK COAL & COKE CO.

P. O., THAYER, W. VA.

Series No. 836. *Buffalo and Slater Mines*.—These are drift mines located about six miles east of Thurmond on the main line of the C. & O. Ry. The development is in the Fire Creek seam with a thickness of about three and one-half feet. The roof is slate and rock and is good when taken care of. Their ventilation is produced by three seven-foot fans. Two of these fans are placed inside of mine giving fairly good results. The grades are very steep in these mines and they have adopted the electric haulage throughout their mines giving good results. All other conditions were up to requirements.

GEO. FRAZER, Supt.

JOHN FILBIN AND

CHAS. FINK, Mine Foremen.

RIDGEVIEW COAL CO.

P. O., THAYER, W. VA.

Series No. 837. *Ridgeview Mine*.—This mine is located at Thayer on the main line of the C. & O. Ry., six miles east of Thurmond. It is a drift mine operating the Fire Creek seam which has an average thickness of three feet, and is ventilated by an eight-foot Thayer steam exhaust fan. With the improvements that have been made it gives good results. The coal from this mine is handled over two inclines. The drainage could be improved. The roof is slate and very good when looked after. Other conditions found in good shape.

JNO. DEMPSEY, Supt.

JOHN HARRIS, Mine Foreman.

EXPORT COAL CO.

P. O., ROBINS, W. VA.

Series No. 838. *Export Mine*.—This mine is located on the Laurel Creek branch of the C. & O. Ry., about three miles from Quinnimont. It is a drift mine and operating the Fire Creek seam which averages three feet in thickness. I have only inspected this mine once, and on

this trip all conditions were in bad shape, but was assured by the management that they would install a fan and improve other conditions.

E. E. HUDDLESTON, Supt.

S. S. ANDERSON, Mine Foreman.

LAUREL CREEK COAL CO.

P. O., LAUREL CREEK, W. VA.

Series No. 839. *Laurel Creek Mine*.—This mine is located on Laurel Creek branch of the C. & O. Ry., four miles from Quinnimont. It is a drift mine developed on the single and double entry systems in the Fire Creek seam with a thickness of three and one-half to four feet. Their ventilation is of natural source and not good. Their drainage on their haulage is bad. Their refuge holes, cross-cuts, and oil do not come up to requirements. The miners were blasting coal with dynamite. Their stoppings were in bad condition. No mine foreman's air records were produced. The above conditions were found on my first inspection, but at this date they are undergoing a general improvement, such as installing a fan, pumps and other improvements to get their mine up to the requirements of law.

GEO. LAWTON, Mgr.

WM. WHITLOCK, Mine Foreman.

J. W. LAWTON, Supt.

GLENDALE COLLIERY CO.

P. O., LAWTON, W. VA.

Series No. 840. *Glendale Mine*.—This is a drift mine located four and one-half miles from Quinnimont on the Laurel Creek branch of the C. & O. Ry. Owing to the way this mine has run I have never been able to make inspection.

C. B. HELWIG, Supt.

QUINNIMONT COAL CO.

P. O., LAWTON, W. VA.

Series No. 841-842. *Big Q. and Lick Branch Mines*.—These are drift mines located on the Laurel Creek branch of the C. & O. Ry., four and one-half miles from Quinnimont. They operate in the Fire Creek seam which averages in thickness about four feet, with a slate roof which is very good when taken care of. They have no ventilation except by natural causes. The management as well as a large number of their miners give ventilation very little attention, as I found men working as far as six hundred and fifty feet ahead of the ventilating current or last cross-cut, and the men said the air wasn't bad. Their ventilation as to volume and distribution, cross-cuts, stoppings, drainage, powder law and mine foreman air records did not meet the requirements of law. They had no rules posted and used no light on rear end of trips.

J. C. GALLANDET, Mgr.

ED. GORDON, Mine Foreman.

D. H. PHELPS, Supt.

GREENWOOD COAL CO.

P. O., LAWTON, W. VA.

Series No. 843. *Greenwood Mines Nos. 1 and 2.*—These are drifts located five miles from Quinnimont and on the Laurel Creek branch of the C. & O. Ry. Their operations are in the Fire Creek seam which averages four feet in thickness with a slate top or roof which as a rule is good when timbered. The development is by double entry system and ventilated by one ten-foot steam exhaust fan on their number two side and natural ventilation on their number one side. The result is not satisfactory on either side. The management promised to place another fan at once. Their stoppings, air checks, refuge holes and second opening in Gentry entry did not meet the requirements, also the powder law was violated. Other conditions were in shape.

WM. A. BROWN, Supt.

J. H. WOOD AND

H. C. PETERS, Mine Foremen.

HEMLOCK HOLLOW COAL & COKE CO.

P. O., LAWTON, W. VA.

Series No. 844. *Hemlock Mine.*—This is a drift mine located on the Laurel Creek branch of the C. & O. Ry., five miles and one-half from Quinnimont, operating the Fire Creek seam which averages four feet in thickness with a good slate roof. The ventilation is produced by a twelve-foot steam exhaust fan which gives a large volume of air but could be distributed to the working faces in better form. Their stoppings on main entries could be better. The men were allowed to use dynamite to blast coal. I found no mine foreman's records. Other conditions were up to the requirements.

WM. A. BROWN, Mgr.

D. S. BROWN, Mine Foreman.

J. A. BROWN, Supt.

NEW RIVER & POCAHONTAS CONSOLIDATED COAL CO.

P. O., GENTRY, W. VA.

Series No. 845-846-847. *Layland Nos. 1, 2 and 3 Mines.*—These are drift mines located on the Laurel Creek branch of the C. & O. Ry., seven miles from Quinnimont, operating the Fire Creek seam which averages four feet in thickness with a slate roof which is very good when taken care of. The ventilation is produced by a twelve-foot electric Capell fan in Nos. 1 and 2 with good results. The No. 3 Mine has been idle for some time on account of installing a duplicate fan to the one at Nos. 1 and 2 Mines. These mines use nothing but electric haulage throughout. All conditions in and about this mine meet the requirements of law.

H. M. BERTOET, Supt.

LEWIE NIHOLEN AND

ROBT. MEIRS, Mine Foremen.

NEW RIVER VALLEY COAL CO.

P. O., FAYETTE, W. VA.

Series No. 848. *Bachman Mine.*—This is a drift mine located on the south side of New river on the C. & O. Ry., one mile east of Hawks Nest,

operating the Sewell seam which averages close to three feet in thickness, and its development is by the double entry system, with furnace ventilation which gives good results. This mine was idle for some little time after it blew up in January, 1908. Their second opening does not meet the requirements. All other conditions were found in reasonably good and safe condition.

JAS. D. BOONE, Mgr.

FRANK HESS, Mine Foreman.

DANIEL BOONE, Supt.

MARRS BRANCH COAL CO.

P. O., FAYETTE, W. VA.

Series No. 849. *Whitney Mine*.—This is a drift mine located on the south side of New river three miles east of Hawks Nest on the C. & O. Ry., operating the Sewell seam which averages near three feet. Ventilation is produced by a furnace with only fair results. The roof is slate and very good when taken care of. Their second opening does not meet the requirements. Other conditions were in fairly good shape, except the management still permits their men to shoot their coal from the solid or in other words they do not enforce their rules which they have posted on this line. Other conditions meet the requirements.

JAS. D. BOONE, Mgr.

P. A. OHLINGER, Mine Foreman.

LOW MOOR IRON COMPANY OF VIRGINIA.

P. O., KAY MOOR, W. VA.

Series No. 850. *Kay Moor No. 2 Mine*.—This is a drift mine located on the south side of New river at Fayette Station on the C. & O. Ry., five miles east of Hawks Nest, operating the Sewell seam, which averages near three feet with a slate roof which is fairly good when taken care of. The development is by double entry system and ventilation with furnaces which give fairly good results when attended to as they should be. The drainage is very bad in parts of this mine. Loose slate on entry was called to the attention of mine foreman. All other conditions were in fairly good shape.

WM. BARRACK, Supt.

D. H. STULL, Mine Foreman.

Series No. 851. *Kay Moor No. 1 Mine*.—This is a drift mine located on the south side of New river on the C. & O. Ry., six and one-half miles east of Hawks Nest, operating the Sewell seam which averages three and one-half feet in thickness with a slate and rock roof which is usually good. Their development is by double entry system. Their ventilation is produced by a twenty-foot force fan, but owing to their cramped air ways and temporary stoppings their air conditions do not meet the requirements. Their drainage is bad in sections. Also refuge holes and the oil law do not meet requirements. All other conditions were in compliance with law.

WM. BARRICK, Supt.

F. H. TIBBET, Mine Foreman.

BROWN COAL CO.

P. O., NUTTALLBURG, W. VA.

Series No. 852. *Brown Mine*.—This is a drift mine located on the south side of New river on the C. & O. Ry., seven miles east of Hawks Nest, operating the Sewell seam which averages three and one-half feet, with a good slate roof when taken care of. Their development is by double entry and ventilated by a five-foot electric Stine fan located about two thousand feet inside of mine. With the improvements which have been made on this line it gives fairly good results. Their drainage could be greatly improved. Their refuge holes on motor and rope haulage do not meet the requirements. The practice of shooting coal from the solid is still followed by some of the men at times. Section seventeen of the mining law in regard to working boys under fourteen years of age was violated in this mine. The mine foreman's air record was not kept. All other conditions were to the requirements of law.

J. A. BROWN, Supt.

A. R. JONES, Mine Foreman.

ELVERTON COAL & COKE CO., FORMERLY THE GOSHEN IRON CO.

P. O., CAPERTON, W. VA.

Series No. 853. *Elverton Mine*.—This is a drift mine located on the south side of New river on the C. & O. Ry., eight and one-half miles east of Hawks Nest. They are operating in the Sewell seam, but have been idle for some time and no regular inspection has been made.

SOUTH SIDE COAL CO.

P. O., CAPERTON, W. VA.

Series No. 854. *South Side Mine*.—This is a drift mine located on the south side of New river about nine miles east of Hawks Nest and one mile west of Sewell on the C. & O. Ry., operating in the Sewell seam which averages near four feet in thickness with a slate roof which is good in rooms and fair on entries when taken care of, and is ventilated by a six-foot electric fan placed inside of mine which gives fair results, on account of stoppings and check doors not in good condition. Attention was called to the mine foreman of the loose slate on the entries. Drainage is not good partially on account of natural causes. Refuge holes do not meet the requirements. Dynamite is used to some extent in shooting coal. Other conditions meet the requirements.

G. H. CAPERTON, Supt.

ROBT. BOYD, Mine Foreman.

NEW RIVER COLLIERIES CO.

P. O., FINLOW, W. VA.

Series No. 855. *Cunard Mine*.—This mine is a drift mine located on the south side of New river, and on the C. & O. Ry., about six miles west of Thurmond and opposite Sewell Station. The development has been in the Sewell seam but has been idle for some time and no inspection has been made.

ELI T. CONNOR, Mgr.

A. J. KING, Dist. Supt.

Series No. 856. *Brooklyn Mine*.—This mine is located on the south side of New river and on the C. & O. Ry., five and one-half miles west of Thurmond. It is a drift mine operating the Sewell seam which averages about four feet with a slate roof which takes very good timbering. The ventilation is produced by a seven-foot Stine electric fan which gives a good volume of air, but it is not properly conducted to the working faces. This mine has recently installed electric haulage through the greater part of the mine, making a great improvement over the old way. Their refuge holes do not meet the requirements. The drainage in parts of mine could be improved. Some solid shooting is practiced in this mine. Other conditions were found in reasonably good shape.

ELI T. CONNOR, Mgr.
A. J. KING, Dist. Supt.

EDWARD JONES, Mine Foreman.

NEW RIVER COLLIERIES CO.

P. O., RUSH RUN, W. VA.

Series No. 857. *Red Ash Mine*.—This is a drift mine located on the south side of New river, and on the C. & O. Ry., three and one-half miles west of Thurmond, operating the Fire Creek seam which averages from five to six feet in thickness with a slate and rock roof which is usually good. Their ventilation is produced by a twelve-foot Capell exhaust electric fan which produces a large volume of air but could be distributed in better form. This mine is worked exclusively on locked safety lamps as it generates explosive gas and is very dusty especially on the pillar work, and this is principally what is worked, as all the advanced entries have struck rock faults. All other conditions were found to be up to the requirements.

ELI T. CONNOR, Mgr.
A. J. KING, Dist. Supt.

R. WALLACE, Mine Foreman.
JAMES McMILLEN, Fire Boss.

Series No. 858. *Rush Run Mine*.—This mine is located on the south side of New river two and one-half miles west of Thurmond on the C. & O. Ry., and is a drift mine operating the Fire Creek seam which averages from four to seven feet in thickness. The old mine has been very faulty and is worked exclusively on locked safety lamps, as it generates explosive gas and is very dusty throughout; the ventilation is produced by a twelve-foot Capell electric exhaust fan which would give good results if properly distributed. This mine is undergoing some improvements which will make the air conditions better. They have also opened up two drifts further up the river which are called Needmore and Oncemore. These drifts average about five feet in height with a slate top which requires a good deal of watching. These drifts are aired by an eight-foot electric Stine fan with good results. As yet there has been no explosive gas generated and the open lights are used. Other conditions were found to be fairly good.

ELI T. CONNOR, Mgr.
A. J. KING, Dist. Supt.

J. R. KING, Mine Foreman.
W. C. BELL, Fire Boss.

THE THURMOND COAL CO.

P. O., CONCHO, W. VA.

Series No. 859. *Concho No. 1 Mine.*—This is a drift mine located on the south side of New river on the C. & O. Ry., one mile east of Thurmond, operating the Sewell seam which averages four to four and one-half feet in thickness with a slate top which is fairly good when taken care of. The ventilation is produced by a six-foot Thayer electric fan located inside of mine. This mine has improved their stoppings, doors, etc., and they get as good results from their fan as possible, but it has too much to do. At present they are preparing to place a larger fan in and split their air which will be better. The men are inclined to shoot their coal from the solid. All other conditions meet the requirements, except drainage. This could be improved.

H. L. ATKINSON, Supt.

W. E. MORTON, Mine Foreman.

THURMOND COAL CO.

P. O., ERSKINE, W. VA.

Series No. 860. *Erschine No. 2 Mine.*—This is a drift mine located on the south side of New river on the C. & O. Ry., one mile east of Thurmond, operating the Fire Creek seam of coal which averages about five feet in thickness with a slate roof which is usually good when taken care of. This mine is ventilated with a twelve-foot Capell fan which gives good results. This mine has been very unfortunate in regard to running into rock faults. I found some fine coal dust on the haulage which I instructed to be removed at once. All other conditions meet the requirements.

H. L. ATKINSON, Supt.

T. G. BIRK, Mine Foreman

NEW RIVER & POCAHONTAS CONSOLIDATED COAL CO.

P. O., MINDEN, W. VA.

Series No. 861. *Minden No. 1 Mine.*—This is a drift mine located on the south side of New river one-half mile east of Thurmond on the C. & O. Ry. This mine is in the Fire Creek seam which averages about five to six feet in thickness. This is all pillar work as the solid has been worked out some time. Owing to the slack work at this mine there has been no inspection made.

ROBT. WATSON, Supt.

Series No. 862. *Minden No. 2 Mine.*—This is a drift mine located at Minden on the Rend branch of the C. & O. Ry., three miles from Thurmond, operating the Sewell seam on the double and triple entry systems, which averages about four to five feet in thickness with a slate roof very good when taken care of very closely. Ventilation is produced by two Thayer electric fans twelve and ten-foot, but is not distributed to the working faces as it should be. There was no regular refuge holes cut. The stoppings could be improved. Attention of the mine foreman was called to the loose slate on the entries and elsewhere. The powder

section was violated by the men and dynamite was used in the coal. Other sections of the law were complied with.

ROBT. WATSON, Supt.

H. T. WOOD, Mine Foreman.

Series No. 863. *Minden No. 3 Mine.*—This is a drift mine located at Minden on the Rend branch of the C. & O. Ry., three miles from Thurmond operating the Sewell seam which averages about five feet in thickness with slate roof which takes careful timbering. It is worked on the double and triple entry systems, and ventilated by two ten-foot fans which give fair results. All other conditions meet the requirements.

ROBT. WATSON, Supt.

JNO. HUFFMAN, Mine Foreman.

Series No. 864. *Minden No. 4 Mine.*—This is a drift mine located at Minden on the Rend branch of the C. & O. Ry., three miles from Thurmond operating the Sewell seam which averages about five feet in thickness with slate and rock roof which is very good. This mine is developed by double and triple entry systems and ventilated with a fifteen-foot Clifford Capell electric fan which would give excellent results if check doors were used in all right entries. This mine generates explosive gas on the left side where locked safety lamps are in use. The powder law was violated. All electric wires on right entry were in position so men had to go under them going to their rooms. Mr. Watson agreed to change them and use two trolley poles on the motor. All other conditions were found to be in fairly good shape.

ROBT. WATSON, Supt.

L. EPPERLY, Mine Foreman.

WM. ROTHWELL, Fire Boss.

Series No. 865. *Minden No. 5 Mine.*—This is a drift mine located at Minden on the Rend branch of the C. & O. Ry., three miles from Thurmond and operating the Sewell seam which averages about four feet in thickness with a slate roof which is usually good when taken care of. The development is by double and triple entry systems ventilated by a fifteen foot Capell electric fan, which gives good results. A small amount of fine coal dust was found on motor road also 5th and 6th left. Other conditions were found in fairly good shape, except no rules posted.

ROBT. WATSON, Supt.

J. T. SHEARER, Mine Foreman.

JOHN LINDLEY, Fire Boss.

NINTH DISTRICT.

GENERAL SUMMARY OF THE NINTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings No. of Persons Killed.		EMPLOYES.										Production of		
			Inside.					Outside.					Sum Totals.	Coal.	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	(Tons of 2,240 lbs.)	(Tons of 2,000 lbs.)			
Fayette (part)	35	33	1,901	151	70	785	2,907	465	118	583	3,490	2,195,531	59,991		
Raleigh (part)	43	16	1,236	143	50	506	1,935	267	2	269	2,204	1,216,278	497		
Totals.	78	49	3,137	294	120	1,291	4,842	732	120	852	5,694	3,411,809	60,488		

OFFICE OF THE NINTH DISTRICT MINE INSPECTOR,
Beckley, W. Va., September 21, 1908.

HON. JAS. W. PAUL,

Chief of the Department of Mines,
Charleston, W. Va.

DEAR SIR:—In compliance with the requirements of the Mining Law, I herewith submit my first annual report of the Ninth District ending June 30, 1908, of which I was assigned Raleigh county, and the upper part of Fayette county, in which district I made one hundred and twenty-five regular inspections and forty-seven extra visits.

In addition to the above inspections and visits I was called to the Monongah disaster for five weeks and to the Pocahontas coal field three times.

The mines in this district have made great strides in regard to conditions in and about the mines. The greatest improvement has been in ventilation. A good number of mines in this field have been developed with very little attention paid to ventilation, as the furnace and the so-called natural ventilation prevailed in a large number of mines, but at the present time a greater number have equipped their mines with fans and in most cases are giving good results. Still there is a good deal of improvement under headway at this time, but owing to the slack run and low market conditions that have prevailed in this field for some time, it has been rather difficult to get all the improvements called for by law executed promptly.

In conclusion I wish to say that it is with feeling of gratitude that

I express my sincere thanks to you for the wise counsel and advice you have given me in the discharge of my duties.

I also wish to express my sincere thanks to the operators, mine foremen and miners for their courteous treatment shown me in the execution of my duties.

Very truly yours,

JOHN PHILLIPS,

Mine Inspector of the Ninth District.

In my report for the year ending June 30, 1908, I am requested that it be:

First: Completed and filed in your office not later than September 30, 1908.

Second: That in my report I make mention of:

(a) Wherein I have been handicapped in the exercise of my duties through any weakness in the law.

Ans. I have no direct cases wherein I have been handicapped.

(b) Wherein I have been handicapped through inability to secure prosecutions of violations of the law in court proceedings.

Ans. I have been successful in all prosecutions.

(c) Wherein I think the present law could be strengthened by amendments.

Ans. (1) Sec. 10. The present law reads: "No person shall travel on foot to or from his work upon any slope, engine plane or motor roads, when other good roads are provided for that purpose." The law should read: "No person shall travel on foot to or from his work upon any slope, engine plane or motor road while the mine is in operation, and no one allowed to ride in steel cars, under any electric voltage."

(2) Sec. 11. The present law reads: "And all breakthroughs between the intake and return air ways not required for the passage of air shall be closed with stoppings substantially built with suitable material which shall be approved by the district mine inspector." The law should show what material to be used and where, taking the power from the inspector, as I am having some trouble to get this ruling carried out.

(3) Sec. 13. The law should compel all gaseous mines to equip their fans with self recording gauges, and records kept of same for inspection, and all fans driven by electric power should have a separate wire line and this wire line should be connected between generator and switch or circuit breaker so as to avoid the fan stopping whenever there is a short circuit thrown in the mines.

(4) The law should demand that at each and every gaseous mine where locked safety lamps are used, there should be a qualified person to examine, clean, fill, lock, and to know that each lamp is in safe condition before leaving the lamp room or house.

(5) Sec. 15. There should be a law prescribing the minimum area of all air ways, and this should not be under forty-eight feet.

(6) Sec. 15. All shafts and slopes should be examined before work time each day, examining spreader chains, ropes, rope sockets, safety

catches, guides, steam knock-offs; also all signals to be kept in proper working condition, and all chains to be annealed once per month; all safety catches tested once each week; all ropes should be turned end for end every three months, and a monthly report of same to be kept at mines for inspection.

(7) All ropes on inclines to be changed end for end every six months: couplings and chains to be annealed once per month.

(8) Sec. 23. The law should prescribe the conditions under which solid shooting should be done. I think it should be cut out exclusively, as it is a dangerous practice under any condition.

(9) Sec. 24. The law should prescribe the conditions under which steam locomotives could be used within mines.

(d) Wherein any particular section of the law is impractical and my reasons therefor.

Ans. Reasons given above.

(e) The advisability of requiring the employment of shot firers.

Ans. By placing shot firers at all mines it would reduce the danger of explosions a great deal, and in case of an explosion the number of lives lost would be greatly reduced. The best manner of dealing with this would be to remove the dangers as far as possible and there would be very little use of shot firers.

(f) The advisability of requiring mine foremen to undergo an examination as to their competency.

Ans. It would raise the standard of mine foremen and give better protection to those employed under them, and better results to their employers.

(g) My idea as to the most practical method of preventing accidents on inclines.

Ans. To allow no person to ride on cars or wooden horses up or down inclines, and when practical have safety hoist provided to take men to and from their work.

(h) Whether I have the co-operation of the miners in my effort to give them the protection the law contemplates.

Ans. In most cases.

(i) Whether the operators are inclined to co-operate with me in the enforcement of the law.

Ans. In most cases.

(j) In what important particular have I been unable to have compliance with the law.

Ans. None where we have direct law to cover.

(k) Cite instances where I have brought prosecutions for violations of the law and been unsuccessful.

Ans. None.

(l) Is the present law sufficient to meet all the conditions in my district, if it is fully observed by the operator and miner.

Ans. No, we haven't got direct law to meet all conditions.

(m) Are your duties such that the number of mines in your district interferes with your rendering the most efficient service.

Ans. I think so. Am unable to get over district as prescribed by law.

(n) Do your office or clerical duties take up too much of your time.

Ans. The number of mines I have to inspect, I would say yes.

(o) Outline what, in your judgment, the law may be improved upon in regard to the liberation of gas in dangerous quantity.

Ans. Proper distribution of sufficient ventilation to the working faces to render all gases harmless, and by placing bore holes from the surface to the strata to bleed off any gases given off.

(p) What character of accidents predominates in your district.

Ans. From falls of slate or draw slate.

(q) Does the method of improperly placed shots and excessive charges of explosives cause unnecessary accidents by falls of roof.

Ans. I would say in a great many cases it does.

The law should read in Sec. 9: "Where no provision is made as to sinking shafts after the shaft is down 100 feet guides should be put in and a cross-over, or a so-called 'billy and block' used, so as to steady the bucket and keep it from striking the timber while the bucket is being hoisted to the top and the block kept within 30 feet of the bottom."

CONDITION OF THE MINES IN THE NINTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 916 indicates the Ninth District and number 16 mine.

FAYETTE COUNTY.

THE DUNGLEN COAL CO.

Series No. 901-902. *Dunglen Nos. 1 and 2 Mines.*—These mines are located one mile south of Thurmond on the C. & O. R. R., and on Loup creek. They are a series of drift openings operating the Sewell seam on the double entry system. The ventilation now being produced by a six-foot fan of the Stine type, gives very good results through the mines. The No. 2 Mine is ventilated by a furnace which gives very good results. The drainage being moderate in both mines. Both carry a dangerous draw slate.

LEO SCHAFFER, Gen. Mgr and Supt. GEO. W. EASTHMAN, Mine Boss.

NEWLYN COAL CO.

Series No. 903. *Newlyn Mine.*—This mine is located one mile south of Thurmond on the C. & O. R. R., and on Loup creek. It is a series of drift openings operating the Fire Creek seam on the double entry system. As yet very little work is being done, as faults and rolls prevent development. The mine is still in faults and rolls. Ventilation is produced by a furnace.

EDWARD THOMAS, Supt. and Mine Boss.

MEADOW FORK COAL CO.

Series No. 904. *Meadow Fork Mine*.—This mine is about three miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is opened up on the double entry system, operating the Sewell seam. All haulage ways are well timbered; drainage good; ventilation being produced by seven-foot Thayer fan. The roof being of a soft nature needs careful timbering. The vein ranges from four feet six inches to five feet.

EDWARD THOMAS, Supt.

HOGUE MEADOWS, Mine Boss.

HARVEY COAL & COKE CO.

Series No. 905. *Harvey No. 1 Mine*.—This mine is located five miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is opened up on the double entry system, operating the Sewell seam. The ventilation being produced by a ten-foot Thayer fan is satisfactory. The roof is slate chiefly of a variable character, and is well timbered. Drainage fair. Rules posted, lamps, blankets and stretchers kept on hand.

FRED DIXON, Supt.

JOHN DUNN, Mine Boss.

Series No. 906. *Harvey No. 2 Mine*.—This mine is located five miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. The ventilation produced by a ten-foot fan is giving good results and is well supported with stone stoppings along its main entries. The oil and powder laws are well enforced. These mines have made great improvements within the last year. Rules posted; stretchers, blankets and lamps kept on hand.

FRED DIXON, Supt.

JOHN DUNN, Mine Boss.

LAURA MINING CO.

Series No. 907. *Laura Mine*.—This mine is located six miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam, double entry system. The ventilation produced by a ten-foot Stine fan gives sufficient ventilation for the extent of the working developed. The mine is damp throughout. The roof is variable but well timbered. This mine gives off a small amount of gas but is well cared for by the distribution of the ventilation. Drainage is fair. The oil and the powder laws were enforced. Rules posted at this mine; lamps, stretchers and blankets kept on hand.

THOMAS NICHOL, Gen. Mgr.

THOMAS MORGAN, Mine Boss.

PRUDENCE COAL CO.

Series Nos. 908-909-910. *Prudence, Lyman and Jones Mines*.—These mines are located four miles south of Thurmond on the C. & O. R. R., and on Loup creek, by a branch one and one-fourth miles west of Harvey Mines. They are drift openings in the Sewell seam on the double entry system. The ventilation is produced by three ten-foot fans, which are giving satisfaction. The different mines are damp throughout. The

roof is a very free slate requiring very close timbering which is well looked after. These mines have made great improvements in the last year. The powder and oil laws are enforced. Rules posted, lamps, stretchers and blankets are kept on hand.

JOSEPH SWITZER, Supt.

JAMES ROBERTSON, Mine Boss.

THE STAR COAL & COKE CO.

Series No. 911. *Star Mine*.—This mine is located about six miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. The ventilation is produced by a twelve-foot fan which is giving reasonable satisfaction, with the improvement they are adding to their mine by enlarging their air ways throughout the mine, and their improved overcasts and concrete stoppings. This mine gives off considerable gas but is well looked after, safety lamps being installed in parts of their mine. The mine is damp generally throughout. The roof is of hard nature. The powder and oil laws are being observed and shot firers employed. Rules posted, lamps, stretchers and blankets are kept on hand.

DAVID EVANDOLL, Supt.

P. B. EVANDOLL, Mine Boss.

HENRY RICE AND

EDWARD OWENS, Fire Bosses.

COLLINS COLLIERY CO.

Series No. 912. *Collins No. 1 Mine*.—This mine is located seven miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. The ventilation produced by an eighteen-foot fan gives good results. The roof in this mine is generally good. The mine is dry but not dusty. This mine has made great improvements in the last year by placing its fan on No. 6 entry on the outside, places the ventilation close to the face of the working which is giving good results. Drainage fair. Rules posted, lamps, stretchers and blankets are kept on hand.

GEO. DIXON, Supt.

J. W. WEDGWOOD, Mine Boss.

Series No. 913. *Collins No. 2 Mine*.—This mine is located seven miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. Ventilation is produced by an eighteen-foot fan. The ventilation is satisfactory. The mine is damp throughout. Its principal work is robbing. The roof is a variable slate requiring very much timber which is well looked after and attended to. The powder and oil laws are very well enforced. There are several outlets to this mine, which affords several splits from different points. Rules posted; lamps, stretchers and blankets are kept on hand.

GEO. DIXON, Supt.

J. W. WEDGWOOD, Mine Boss.

WHITE OAK FUEL CO.

Series No. 914. *Wingrove Mine*.—This is a shaft mine located one mile west of Glen Jean on the C. & O. R. R., and on White Oak branch.

It is a shaft opening operating the Sewell seam. The ventilation produced by a twenty-foot fan, gives desired results throughout the mine. Some gas is found in face of advanced entries, but a strict vigilance in the necessary elimination of the same, is observed and practiced. The roof in this mine is variable, but well attended to by timbering. There has been great improvements made throughout this mine, by enlarging the air ways and building overcasts. The second opening meets lawful requirements. The powder and oil laws are enforced. The rules are posted at this mine, lamps, stretchers and blankets are kept on hand.

A. J. CALAHAN, Supt.

JOHN HOMES, Mine Foreman.

GEO. SCOTT, Fire Boss.

Series No. 915. *Scarbro Mine*.—This is a shaft mine located two miles west of Glen Jean on the C. & O. R. R., and on White Oak branch. It is a shaft opening operating the Sewell seam on the double and triple entry systems. The ventilation produced by an eighteen-foot fan gives generally excellent results. Some gas is found in the advanced developments of this mine but carefully controlled by brattice cloth and a good volume of air. This mine is damp throughout. The roof in this mine is generally good. The powder and oil laws are enforced. The principal part of work in this mine at the present time is robbing. Drainage is fair. This mine having the second opening to the Scarbro No. 2 shaft using it as an air shaft and second opening, meets all the requirements of the law. This mine is damp throughout. Rules posted; lamps, stretchers and blankets are kept on hand.

A. J. CALAHAN, Supt.

RALPH BRABBon, Mine Boss.

FRED DIXON,

JOHN HERRENDEN AND

JAMES GRAHAM, Fire Bosses.

Series No. 916. *Whipple Mine*.—This mine is located four miles north-west of Glen Jean on Dunn Loup branch of the C. & O. R. R., and on the White Oak branch of same R. R. It is a shaft opening operating the Sewell seam on the double entry system. The ventilation produced by a sixteen-foot Capell fan gives good results. There is gas found in the rock entry in this mine in the advanced workings, but is kept clear by the proper distribution of ventilation, brattice cloth being used. There are some safety lamps used in this section. The general workings of this mine are damp. The roof in parts of this mine is good, while in other parts it has a heavy draw slate. The second opening in this mine meets all requirements of law. Safety powder being used throughout this mine. The oil law is strictly observed. Rules are posted, lamps, stretchers and blankets kept on hand.

H. H. MORRISON, Supt.

WILLIAM BRABBon, Mine Boss.

S. S. COOPER, Fire Boss.

Series No. 917. *Carlisle Mine*.—This is a shaft mine located four miles west of Glen Jean on the C. & O. R. R., and on White Oak branch. It

is a shaft opening operating the Sewell seam on the double and triple entry systems. The ventilation produced by an eighteen-foot by seven-foot Capell fan which is erected at the Oakwood shaft makes Carlisle shaft the downcast and Oakwood the upcast, which is crossed over to the Oakwood side by an overcast, which gives Carlisle a separate split of air from the Oakwood current. This fan is giving very good results. There has been some gas found in the northwest workings, but given off in very small quantities and is well taken care of by the proper distribution of the ventilation. The roof varies but generally good. Safety powder is used in this mine throughout. This mine is damp throughout with the exception of the east main. The oil laws are well enforced. Oakwood shaft being the second opening to this mine meets the requirements of the law. Rules are posted; lamps, stretchers and blankets kept on hand.

EDWARD COCKBURN, Supt.

ISAAC PELTRY, Mine Boss.

STEVEN HOGG AND

THOMAS LIGHTFOOT, Fire Bosses.

Series No. 918. *Oakwood Mine*.—This mine is located four and one-fourth miles west of Glen Jean on the C. & O. R. R., and on the White Oak branch. It is a shaft mine on the double and triple entry systems operating the Sewell seam. The ventilation produced by an eighteen by seven-foot fan is satisfactory. There is some gas found in advance workings. This mine is generally damp. The roof in this mine is generally good. The second opening to this mine is the Carlisle shaft which fulfills the requirements of the law. There is a small trace of gas seen in the north section at times but is well taken care of by the proper distribution of air. Safety powder is used throughout this mine. This mine is damp throughout. Its roof being of a soft nature needs careful timbering. Shot inspectors employed in both mines. Rules posted; lamps, stretchers and blankets kept on hand.

EDWARD COCKBURN, Supt.

ISAAC PELTRY, Mine Boss.

THOMAS HERRING, Fire Boss.

OWEN FITZPATRICK, Fire Boss.

STUART COLLIERY CO.

Series No. 919. *Parral Mine*.—This mine is located eight miles west of Glen Jean on the Loup Creek branch of the C. & O. R. R., and on the company's line from Scarbro. This is a shaft operation in the Sewell seam. The ventilation produced by an eighteen by seven-foot fan gives good results. This mine generates very much gas but it is controlled by an abundance of ventilation and conducted to the face of its working by brattice cloth, the air shaft being now finished which adds to its safety as a second opening, its air connection now being in operation which adds to its safety. They are now beginning to clean up the abandoned workings on the west side which is done exclusively by locked safety lamps. The east side of the mine does not generate gas, but for proper

precaution this is done. Rules posted; lamps, stretchers and blankets are kept on hand. This mine is worked exclusively by safety powder.

EVAN COCKBURN, Supt.

SAMUEL HALE, Mine Boss.

H. WEBB, Fire Boss.

Series No. 920. *Beech Creek Mine*.—This mine is located on the surface at Parral shaft, is a contract operation on a small scale in the No. 1 or Eagle seam which is sometimes found in the hill tops of this vicinity. This mine is principally robbing. The ventilation is produced by a furnace. There are only thirteen men working in this mine. Its drainage being only moderate. Rules posted; lamps, stretchers and blankets kept at this mine. The oil and powder law being strictly obeyed.

EVAN COCKBURN, Supt.

GEO. POWELL, Mine Boss.

Series No. 921. *Stuart Mine*.—This mine is located one mile west of Parral on the company's private railroad. It is a shaft opening operating the Sewell seam on the double entry system. The ventilation produced by an eighteen by seven-foot fan gives excellent results. There is a slight generation of gas in the advanced operations of this mine but is carefully bratticed and is of a very free and weak character making it extremely difficult to keep air courses clear. Extra precautions are being put into effect to maintain the air way which under existing conditions is necessary. This mine is dry in the east sections. The air shaft is now sunk, and the air tunnel is now being driven to connect with the fan which makes a second opening to this mine which will add to its safety. There are but twenty men working in this mine as yet, but as soon as the air trunk is finished and the safety equipments arranged they will then start to clean up the abandoned workings which will be done exclusively by locked safety lamps, which are now partly installed in this mine. The powder and oil laws are well enforced. This mine is worked exclusively with safety powder. There has been great improvements made in this mine as to air ways, stone stoppings and overcasts. Rules are posted; lamps, stretchers and blankets kept on hand.

EVAN COCKBURN, Supt.

JAMES RAISBACK, Mine Foreman.

THOMAS FRICKLETON, Fire Boss.

NICHOL COLLIERY CO.

Series No. 922. *Nichol Mine*.—This mine is located seven miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. The ventilation produced by a twelve-foot Capell fan gives very good results. The roof in this mine is generally good throughout. This mine is dry but not dusty. It generates considerable gas in the advanced workings, but is well taken care of. Safety lamps have been installed in the main entries. This mine is well equipped with large air ways, stone stoppings and overcasts, and the ventilation is properly looked after. The men in charge are well up to date in ventilation. The seam ranges from five feet to five feet six inches. This mine is worked exclusively on

safety powder. Rules are posted; safety lamps, blankets and stretchers on hand.

W. J. HEATHERMAN, Supt. WILLIAM H. WHATKEYS, Mine Boss.
WILLIAM HERRON, Fire Boss.

NEW RIVER COLLIERIES CO.

Series No. 923. *Sun No. 1 Mine.*—This mine is located seven miles south of Thurmond on the C. & O. R. R., and on Ben's branch of Loup creek. This is a slope opening operating the Sewell seam. The ventilation produced by a twelve-foot fan gives excellent results. There is some gas generated in the advance development which is carefully taken care of by day and night fire bosses. The roof is generally good. This mine is damp throughout. It is worked on the double and triple entry systems. At the present time it has a squeeze which they have got pretty well under control. The seam varies from four feet six inches to six feet. Drainage is good by its vast improvements that is to the enlarging their air ways, concrete stoppings and overcasts. They have made great improvements in this mine. The law is being fully complied with. There are still great improvements under way. This mine is worked exclusively by safety powder. Rules are posted; lamps, stretchers and blankets kept on hand.

G. W. SHUMAKER, Supt. WILLIAM ELLIS, Mine Boss.
WILLIAM COPE, Fire Boss.
A. L. ELLISON, Fire Boss.
JOHN ALLENBAUGH, Fire Boss.

Series No. 924-925. *Sun Nos. 2 and 3 Mines.*—These mines are located seven and one-half miles south of Thurmond on the C. & O. R. R., on Loup creek and Ben's branch. It is a shaft opening operating the Sewell seam. In conjunction with Sun Slope No. 1 the ventilation is produced by a fifteen by seven-foot fan which gives satisfaction throughout both mines. Small traces of gas are found in the advanced workings of both mines, but is well taken care of with the great amount of ventilation which is being distributed throughout both mines in a lawful manner, with overcasts from main air way. The Price section of the mine is damp, the Tucker property going to the right has a tendency to be dry. No. 2 mine has a separate split from No. 3. The fan is set on the No. 3 slope, which is second to none in the district, gives one hundred and twenty thousand cubic feet of air per minute, which gives to the separate mines a separate and distinct split of air, which ventilates both mines good throughout. The seam ranging from four feet to four feet eight inches which carries with it a very weak roof, which requires close watch and careful timbering which is being done. This mine is worked exclusively with safety powder. Rules are posted; lamps, stretchers and blankets kept on hand.

G. M. SHUMAKER, Supt. WILLIAM ELLIS, Mine Boss.
WILLIAM COPE,
A. L. ELLISON AND
JOHN ALLENBAUGH, Fire Bosses.

McKELL COAL & COKE CO.

Series No. 926. *Derryhale Mine*.—This mine is located eight miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam. The ventilation produced by an eight-foot Stine fan gives fair results. The roof in this mine is chiefly slate of a weak nature, but is well posted. This mine has made great improvements in the last year as to its drainage and to its distribution of ventilation throughout the mine by enlarging their air ways and putting in stone stoppings and overcasts and enlarging their haulways. The seam ranges from four feet six inches to five feet. Rules are posted; lamps, stretchers and blankets kept on hand.

THOMAS A. LEWIS, Supt.

S. W. BRYAN, Mine Boss.

JOHN SWEENEY, Fire Boss.

DUNN LOUP COAL & COKE CO.

Series No. 927. *Dunn Loup No. 1 Mine*.—This mine is located eight and one-half miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a series of drift openings on the double entry system, in the Sewell seam. The work is principally pillar work. The ventilation is taken in by Collins No. 1, by a separate split provided for that purpose. Cross entry being driven from No. 1 drift to No. 3 drift and connecting doors provided, distributes the ventilation to the different sections. The drainage is good in these mines. The roof being of a weak nature needs careful timbering. This mine is damp throughout. Powder is carried into this mine in five pound cans. The seam ranges from four feet six inches to five feet. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES MARTIN, Supt.

JOHN BURNS, Mine Boss.

Series No. 928. *Dunn Loup No. 2 Mine*.—This mine is located nine miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift mine operating the Sewell seam on the double entry system. The ventilation produced by an eight-foot Stine fan is giving very good results by being properly maintained by having a good air course. The air courses at this mine have been all reopened. The roof being of a very brittle nature requires very close watch and careful timbering. With good overcasts and stone stoppings this mine is well ventilated. Seam ranges four feet six inches to five feet. The person in charge of this mine deserves great credit for the vast improvements and the good management that prevail at these mines. The oil and the powder laws are strictly observed. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES MARTIN, Supt.

ODEY WILLIAMS, Mine Boss.

Series No. 929. *Dunn Loup No. 3 Mine*.—This mine is located nine and one-half miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift mine operating the Sewell seam on the double entry system. The ventilation produced by a seven-foot Stine fan gives good

results. This is a new opening, its capacity being about 150 tons. Its coal is dumped over the No. 2 tippie. The roof is of a hard slate. The seam ranges from five feet to five and one-half feet. Drainage is good. Oil and powder laws are well observed. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES MARTIN, Supt.

ODEY WILLIAMS, Mine Boss.

TURKEY KNOB COAL CO.

Series No. 930. *Turkey Knob Mine*.—This mine is located nine miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. The ventilation produced by a ten-foot Stine fan gives good results throughout. The roof in this mine is of a bad, heavy draw slate and is very treacherous and hard to keep the air ways open, but is being well timbered and looked after, and are making great improvements in their air ways, as the air is a little slack in some sections of the mines. There are some parts of the mines closed down until the air ways are reopened. Drainage is poor, this mine being damp throughout. The oil and powder laws are observed. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES HEATHERMAN, Supt.

EDWARD McCALLISTER, Mine Boss.

MACDONALD COLLIERY CO.

Series No. 931. *Macdonald Mine*.—This mine is located ten miles south of Thurmond on the C. & O. R. R., and on Loup creek. It is a drift opening operating the Sewell seam on the double entry system. The ventilation is produced by a seven-foot Thayer fan which is, as yet, not giving the best satisfaction, but under the new management and the improvements they are making in remodeling their air ways and installing concrete stoppings and overcasts they will be able to ventilate the mine in proper shape. This mine is damp throughout. The roof being of a brittle nature needs very careful timbering. Drainage is good at this mine. The seam ranges from four and one-half to five feet. Oil and powder laws are being enforced at this mine. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES MARTIN, Supt.

ZACHARIAH EVANS, Mine Boss.

SUGAR CREEK COAL & COKE CO.

Series No. 932. *Sugar Creek No. 1 Mine*.—This mine is located one mile west of Macdonald on the Loup Creek branch of the C. & O. R. R., and on Sugar creek. It is a slope opening operating the Sewell seam on the double entry system. The ventilation produced by an eight-foot fan gives fair results. As to the vast improvements which are now under way of opening up their main air way which is almost completed, when completed will make a great improvement to the mine, as before, its air ways were too small to support the mine. With the stone stoppings that they are taking in from the pit mouth end, and cleaning up their haulways it will be comparatively a new mine. The roof being of a very

weak nature needs close watching and requires careful timbering. The Superintendent, Mr. Martin, now in charge deserves great credit for the improvements he has made at this mine. The seam ranges from five to five and one-half feet. Drainage is only moderate. Rules are posted; lamps, blankets and stretchers kept on hand.

JAMES MARTIN, Supt.

F. L. RAMEY, Mine Boss.

Series No. 932 a. *Sugar Creek No. 2 Mine*.—This mine is located one and one-fourth miles west of Macdonald on the Loup Creek branch of the C. & O. R. R., and on Sugar creek. It is a slope opening operating the Sewell seam on the double entry system, in the right hand hill. The ventilation being produced by a six-foot Stine fan is giving very good results. This mine is wet throughout, the drainage as yet being poor. Coal ranges from four and one-half to five feet. The roof carries with it a heavy draw slate which is very dangerous and needs close watch and careful timbering. This mine is a new mine; as yet its output is about 150 tons per day. Its coal is being dumped over the No. 1 Mine tipple. Powder and oil laws are carefully observed. Rules are posted; lamps, blankets and stretchers kept on hand.

JAMES MARTIN, Supt.

F. L. RAMEY, Mine Boss.

MT. HOPE COAL & COKE CO.

Series No. 933. *Baby Mine*.—This mine is located one and one-half miles south of Macdonald on the Loup Creek branch of the C. & O. R. R., and on Loup creek. It is a drift opening operating in the Sewell seam on the double entry system. Ventilation is produced by a furnace but work has been suspended. They have built their tipple and installed a rope haulage and are now waiting to have the side track finished. The seam ranges from five to five and one-half feet.

A. P. BAILEY, Supt.

McKELL COAL & COKE CO.

Series No. 934. *Kilsyth Mine*.—This mine is located two miles south of Macdonald on the Loup Creek branch of the C. & O. R. R., and is a series of drift openings operating the Sewell seam on the triple entry system. The ventilation being produced by a sixteen by five and one-half-foot Capell fan gives excellent results throughout the mine. This mine is damp throughout. The roof is of a brittle nature. This is one of the largest and best equipped mines on the Loup Creek branch. It is equipped with latest and most modern improvements as there are only two doors in this whole mine. The seam ranges from four feet eight inches to five feet. With stone stoppings and concrete overcasts the ventilation is well taken care of. The men in charge deserve great credit for the condition of this mine. Oil and powder laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand.

THOMAS NICHOL, Gen. Mgr.

THOMAS T. LEWIS, Mine Boss.

R. A. McCLURE, Supt.

PRICE HILL FUEL CO.

Series No. 935. *Sherwood Mine*.—This mine is located two miles south of Macdonald on the C. & O. R. R., and on Loup creek, via the company's own railroad. It is a new shaft opening and as yet not shipping much coal. The developments are in the Sewell seam which is very much faulty and has been for the last year. The ventilation is produced by an eighteen by seven-foot Capell fan which gives very good results throughout the mines. The vein ranges from two feet to three feet, carrying with it about fifteen inches of bone coal on the top. The roof is of a dangerous character. The mine is damp throughout. The drainage is only moderate. Oil and powder laws are observed. Rules are posted; blankets, lamps and stretchers kept on hand.

H. H. PINKNEY, Supt.

S. HILDRICHTAH, Mine Boss.

RALEIGH COUNTY.

PRICE HILL FUEL CO.

Series No. 936. *Price Hill Mine*.—This mine is located two and one-half miles south of Macdonald on the Loup Creek branch of the C. & O. R. R., and on Loup creek via the company's own railroad from Macdonald. It is a shaft operation in the Sewell seam on the triple entry system. This mine is comparatively new. It is in faults and rolls for the past year. Seam ranges from two to two and one-half feet thick and carries with it about fifteen inches of bone on the top and is shipping very little coal. Ventilation being produced by an eighteen by seven Capell fan which gives very good results throughout the mine. Second opening meets all requirements. The roof being of a brittle nature and the drainage only moderate. The mine is damp throughout. Oil and powder law being observed in this mine. Rules are posted; lamps, stretchers and blankets kept on hand.

H. H. PINKNEY, Supt.

GILBERT SMITH, Mine Boss.

McKELL COAL & COKE CO.

Series No. 937. *Oswald Mine*.—This mine is located on the Big Loup Creek branch of the C. & O. R. R., about thirteen miles south of Thurmond, about seventy-eight miles east of Charleston, on the triple entry system. The seam ranges in thickness from four to five feet. The ventilation at this mine is produced by a ten by five and one-half-foot Capell fan which is giving very good satisfaction throughout the mine. They have enlarged their main air way from pit mouth in, and enlarged their air ways on their cross entries which is giving great support to the fan. This mine is damp throughout and carries with it about six inches of bone coal on top and a very treacherous roof which needs close watching and careful timbering. They have made great improvements in this mine by complying with all requirements of the law. The oil and powder laws are carefully observed. Rules are posted; lamps, blankets and stretchers kept on hand.

F. B. IMBODEN, Supt.

LON HUNLEY, Mine Boss.

Series No. 938. *Sidney Mine*.—This mine is located on the Big Loup Creek branch of the C. & O. R. R., about thirteen miles south of Thurmond, seventy-eight miles east of Charleston. This mine is operating the Sewell seam on the double entry system. Seam ranges in thickness from three and one-half to four feet, carrying with it about five inches of bone on the top. The conditions of the mine is of mixed character. In parts it is a sand rock top and in other sections it is slate of a brittle nature. The drainage is good. The ventilation in this mine is produced by a twelve by five-foot Capell fan which gives very good results. They are now opening up a second air way which will greatly improve the mine. The oil and powder laws have been observed. Rules are posted; lamps, blankets and stretchers kept on hand.

F. B. IMBODEN, Supt.

LON HUNLEY, Mine Boss.

Series No. 939. *Graham Mine*.—This is a drift mine located on Big Loup Creek branch of the C. & O. R. R., about fifteen miles south of Thurmond, eighty miles east of Charleston. This mine is operating the Sewell seam, conducted on the double entry system. The seam ranges in thickness from three to four feet. The ventilation is produced by a nine by five and one-half-foot Capell fan which gives very good results throughout the mine. They have made great improvements in this mine in the last year in regard to their air ways and enlarging their haul ways and their concrete stoppings. Their drainage is moderate. Mine is wet and a roof of a strange character, in sections having a very brittle slate while in other sections it was firm and strong, needs very close watching and careful timbering. The oil and powder laws are enforced. Rules are posted; lamps, blankets and stretchers kept on hand.

J. F. HINSON, Supt.

LEWIS LEWIS, Mine Boss.

Series No. 940. *Tamroy Mine*.—This mine is located on the Big Loup Creek branch about sixteen miles south of Thurmond, eighty-one miles east of Charleston, and operating the Sewell seam on the four entry system. The seam ranges from about four to four and one-half feet in thickness. The ventilation is being produced at present by a furnace which is only giving fair results but they have got their sub-station built and are now building the foundation for a large fan of the Capell type. The mine is being equipped with all modern improvements and has the future of being one of the largest mines in the upper end of Loup creek. Its drainage is good. Its roof is of a hard nature. Oil and powder laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand.

J. F. HINSON, Supt.

LEMUEL SMITH, Mine Boss.

NEW RIVER COLLIERIES CO.

P. O., PRINCE, W. VA.

Series No. 941. *Royal and Mill Creek Mines*.—These mines are drifts located on the south side of New river opposite Prince Station. The de-

velopments are in the Fire Creek seam. They have been idle since January, 1908, wherein no inspections have been made.

This mine was inspected by Mr. J. A. Straughan, mine inspector of the Eighth, District during the first six months of 1908.

ELI T. CONNOR, Mgr.

WRIGHT COAL & COKE CO.

Series No. 942. *Wright No. 1 Mine*.—This is a drift mine located on Piney Creek branch of the C. & O. Ry., about three miles west of Prince and seventy-six miles east of Charleston. The operations are in the Fire Creek seam. The developments are conducted principally on the double entry system. The ventilation in the No. 1 Mine is produced by a seven-foot disc fan, operated by electric power, which is giving fairly good results at the present time. This mine being principally robbing. The drainage is fair. The grades in this mine are very irregular. The roof is good and the general safety of all haul ways in very good condition. The mine is dry but not dusty. The seam ranges in thickness from three and one-half to four and one-half feet. They have made great improvements in this mine in the last six months in regard to ventilation. Oil, and powder laws are being observed in this mine. Rules are posted; lamps, blankets and stretchers kept on hand.

C. C. GRESSANG, Supt.

ARNOLD FORD, Mine Boss.

Series No. 943-944. *The Wright Nos. 2 and 3 Mines*.—These are drift mines located on the Piney branch of the C. & O. R. R., four miles west of Prince and seventy-six miles east of Charleston. These operations are in the Fire Creek seam conducted on the double entry system. The ventilation is produced by two seven-foot Thayer fans which are giving very good results. These mines are damp throughout, carrying with them a very good roof. They are very irregular in their grades. The seam ranges from three to five feet. The No. 3 Mine is yet new and both mines employ very few men. Powder and oil laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

C. C. GRESSANG, Supt.

J. A. DAVIS, Mine Boss.

STONEWALL COAL & COKE CO.

Series No. 945-946. *Stonewall Nos. 3 and 4 Mines*.—These are drift mines located on the Piney branch of the C. & O. R. R., about four miles from Prince and seventy-seven miles from Charleston. The operations are in the Fire Creek and Sewell seams.

The developments of the Stonewall No. 3 Mine are in the Fire Creek seam, which at this point is about two feet six inches to two feet ten inches in thickness and on account of the thin condition of the seam very little work has been done during the year.

The development of the No. 4 Mine is in the Sewell seam, which averages four feet six inches to five feet in thickness. The work is all conducted on the double entry system. The ventilation is produced by a small furnace in No. 3 which is giving very good results as there are

only thirteen men working in that mine. No. 4 Mine is ventilated with a large furnace which has not been giving good results. They are now preparing to install a fan of the Stine type. They have remodeled their air ways and stoppings. The roof in both mines being of a brittle nature needs careful timbering and makes it very hard to keep their air ways open. The drainage is only moderate. Powder and oil laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand.

FRANK M. LEE, Supt.

WILLIAM E. QUICKMAN AND
FRANK SAMPLES, Mine Foremen.

P. O., TERRY, W. VA.

Series No. 947. *Terry Mine*.—This is a drift mine located on the south side of New river and on the Piney branch of the C. & O. Ry., two miles west of Prince, operating the Fire Creek seam which averages four feet in thickness with slate roof and good when taken care of. The development is by double entry system, ventilated with a furnace which gives fair results, on account of stoppings and air checks not in good condition. The refuge holes did not meet the requirements. Found a small amount of dust in parts of mine. No mine foreman's air records were shown me. All other conditions meet the requirements.

This mine was inspected by Mr. J. A. Straughan, Mine Inspector of the Eighth District, during the first six months of 1908.

F. M. LEE, Supt.

W. H. CROSS, Mine Foreman.

NEW RIVER COLLIERIES CO.

Series No. 948. *Lanark No. 3 Mine*.—This mine is located on the Piney Creek branch of the C. & O. R. R., five miles west of Prince and eighty-one miles east of Charleston. Operations are in the Fire Creek seam. The development is conducted principally on the double entry system. The ventilation is produced by a furnace which gives very good results to this mine. The principal work is robbing. This mine is robbed out within 300 feet of the pit mouth which may last from six to eight months longer. Its roof being very brittle is very treacherous, and needs very close observing and close timbering. Oil and powder laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

H. T. CONNARS, Supt.

CHAS. A. LAWSON, Mine Boss.

Series No. 949. *Lanark No. 4 Mine*.—This is a drift mine located on the Piney branch of the C. & O. R. R., about five miles west of Prince and eighty-one miles east of Charleston, operating the Sewell seam on the double entry system. The seam varies in thickness from four feet to five feet. Ventilation is produced by a seven-foot Thayer fan which gives good results throughout the mine. This mine has concrete stoppings in all its entries and is up to date with all the requirements of the law. Oil law is being well observed. Rules are posted; lamps, blankets and stretchers kept on hand.

H. T. CONNARS, Supt.

CHAS. A. LAWSON, Mine Boss.

PINEY COAL & COKE CO.

Series No. 950. *Stanaford No. 2 Mine.*—This is a drift mine located on the Piney branch of the C. & O. R. R., about seven miles from Prince. The development of the No. 2 Mine is in the Fire Creek seam, which at this point is somewhat irregular in thickness, ranging from four to five and one-half feet. The work is conducted principally on the double entry system. The ventilation is produced by a ten-foot Stine fan which gives fairly good results, but they are enlarging their main air way which, when completed, will put the mine in good shape. This mine is damp throughout. Seam ranges from four to five and one-half feet. Main haul way in good condition. This mine generates some gas, small quantities, in its advanced workings, but is well taken care of. This mine is worked exclusively on safety powder. The oil and powder laws are being well observed. Rules are posted; lamps, blankets and stretchers kept on hand.

CHAS. JASPER, Supt.

EDWARD NELSON, Mine Foreman.
JOHN DOUGLAS, Fire Boss.

Series No. 951. *Stanaford No. 3 Mine.*—This is a drift mine located on the Piney branch of the C. & O. R. R., nine miles from Prince. The development of this mine is in the Sewell seam conducted on the double entry system. The ventilation in this mine is produced by a seven-foot Thayer fan which is giving very good results throughout the mine. Drainage is good. Haulways are regular and properly timbered and are in a safe condition. Separate traveling way is provided for the men going to and from their work so as not to come in contact with high voltage wires. The seam varies from three to five feet, with a heavy draw slate. Oil and powder laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

CHAS. JASPER, Supt.

M. L. McGUIRE, Mine Boss.

Series No. 952-953. *Stanaford Nos. 4 and 5 Mines.*—These mines are drift mines located on the Piney branch of the C. & O. R. R., about nine miles from Prince. The development of these mines is in the Fire Creek seam which at these points is very irregular in thickness, ranging from four to six feet, carrying with it from four to six inches of bone in the middle. The work is conducted principally on the double entry system. The ventilation produced is with an eight-foot disc fan, which is giving fairly good results throughout the mine. No. 5 Mine suspended work one year ago. The No. 4 Mine is still in operation. This mine is wet throughout, drainage being poor, but they are installing a larger pump which will remedy the No. 4 Mine. Haulways are in good shape; has separate traveling ways for the men to go to and from their work so that they may not come in contact with the rope haulage. The roof being of a variable character needs careful timbering. Powder and oil laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

CHAS. JASPER, Supt.

G. J. RICHARDSON, Mine Foreman

Series No. 954. *Stanaford No. 6 Mine*.—This is a drift mine located on the Piney branch of the C. & O. R. R., about eight miles from Prince. The development is in the Fire Creek seam which at this point is very irregular in thickness, ranging from three to six and one-half feet. The work is conducted principally on the double entry system. The ventilation is produced by a seven-foot Thayer fan which is giving fairly good results, not as good as if it was supported with a larger air way, which they are now arranging. This mine generates a small amount of gas in the east workings, but is well cared for by the proper distribution of ventilation. This mine is damp throughout. The drainage is good and the haulways are in good order. Oil and powder laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand. This seam carries with it about six inches of draw slate which is treacherous.

CHAS. JASPER, Supt.

EDWARD NELSON, Mine Bcss.
GEO. J. BURNS, Fire Boss.

RALEIGH COAL & COKE CO.

Series No. 955-956. *Raleigh Nos. 1 and 2 Mines*.—These are drift mines located on the Piney branch of the C. & O. R. R., fourteen miles from Prince and about eighty-eight miles from Charleston. The operations are all in the Fire Creek seam, and are conducted on the double entry system. At each mine there is a six by two-foot Stine type high speed fan installed, and operated by electricity, which were at one time boosters on the inside but now are exhaust fans on the outside which are operated by electricity under high speed, which are giving fair results. A new air way has been driven from the outside in 3000 feet, which makes it a double entry system. One year ago there was no air way. The seam varies in thickness from four to six feet. These mines are very damp throughout, and the drainage is only moderate, carrying with it about eight inches of draw slate which is very treacherous. Separate traveling way is provided between these two mines for the men to go to and from their work. Powder and oil laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

JAMES WHITE, Supt.

TERRANCE CONWAY, Mine Boss.

Series No. 957. *Raleigh No. 3 Mine*.—This mine is a drift mine, located on the Piney branch of the C. & O. R. R., fourteen miles from Prince and about eighty-eight miles from Charleston. The operations are all in the Fire Creek seam, and are conducted on the double entry system. At this mine ventilation is produced by two fans, two by six-foot fans, one as a booster and one as an exhaust, under high speed, driven by electric power which are giving very good results. The drainage is good. The west section of this mine is somewhat dusty but is well taken care of, sprinkled by water car and by small pump. The roof is good, and the general conditions of all haulways are good. The seam varies between four and five feet. Oil and powder laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

JAMES WHITE, Supt.

JOHN McCARTHERN, Mine Boss.

Series No. 958. *Raleigh No. 4 Mine.*—This is a drift mine, located on the Piney branch of the C. & O. R. R., fourteen miles from Prince and about eighty-eight miles from Charleston. The operations are all in the Fire Creek seam, and are conducted on the double entry system. This mine is ventilated by a five-foot double fan driven by electric power under high speed which gives very good results, as the ventilation is good throughout this mine. The seam varies in this mine, ranging from two to four feet, and is full of dips and rolls. It carries with it a very heavy draw slate and is very treacherous and needs close watching and careful timbering. The drainage is only moderate as this mine is going to the dip very heavy. The powder and oil laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

JAMES WHITE, Supt.

TERRANCE CONWAY, Mine Boss.

Series No. 959. *Raleigh No. 5 Mine.*—This mine is a drift mine located on the P. R. & P. C. R., a branch of the C. & O. R. R., on Piney, from Piney branch, sixteen miles from Prince, and ninety miles from Charleston, located on Little White Stick, operating the Sewell seam on the double entry system. Ventilation is produced by a six-foot double disc fan driven by steam power. This mine is in about 3500 feet, producing about 300 tons of coal per day. Its ventilation is good; drainage good. The mine is damp throughout. The seam ranges from three to three and one-half feet, and carries with it about twenty inches of draw slate which has to be taken down. The main slate being of a hard nature. Oil and powder laws are observed. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES WHITE, Supt.

J. T. ROBERTSON, Mine Boss.

Series No. 960. *Raleigh No. 6 Mine.*—This is a series of drift openings located on the Piney branch of the C. & O. R. R., fifteen miles from Prince, about eighty-nine miles from Charleston. They are operating the Fire Creek seam and conducted on the four entry system. The two center entries are the haulage ways and the side entries are the two returns, making the haulage the intake and the two side entries the returns, as both fans are seven-foot fans of the disc type and double, and all are giving very good results. The roof is of a hard nature and the drainage is well taken care of as this is a new mine. It is producing at the present time about 700 tons. Well equipped with all modern improvements. The seam ranges from four to four feet six inches. This mine is worked exclusively by safety powder. All stone and brick stoppings inlaid with cement. Separate traveling way for the men to go to and from their work. The oil and powder laws are being observed. Rules are posted; lamps, stretchers and blankets kept on hand.

JAMES WHITE, Supt.

EDWARD ZWILLING, Mine Boss.

BLUE JAY LUMBER CO.

Series No. 961. *Blue Jay Mine.*—Is a drift opening located on the Beaver & Blue Jay Railroad on Little Beaver, leading from a branch of

the Piney Railroad eighteen miles from Prince and about ninety-two miles from Charleston. The operations are in the Fire Creek seam conducted on the double entry system. The ventilation is produced by a furnace. Its principal workings now being robbing. This mine is damp throughout. This mine carries with it a very brittle roof as there is only about 150 feet of covering. It becomes very hard to hold this roof. Seam ranges from two to five feet, very rolling. Oil and powder laws are being observed. Rules are posted; lamps, stretchers and blankets kept on hand.

P. C. LYNCH, Supt.

PATRICK McQUADE, Mine Boss.

SULLIVAN COAL & COKE CO.

Series No. 962-963-964-965. *Sullivan Nos. 1, 2, 3 and 4 Mines.*—Are a series of ten drift openings located on the Piney branch of the C. & O. R. R., twenty-one miles from Prince, 111 miles from Charleston. The operations are all in the Fire Creek seam. Located on the north and south of Takein creek. Opened up on the double entry system. Preparations are being made for the coal to be hauled from the ten different openings and to be dumped from the one tippie on the north and south sides, it being a double tippie built across the little valley which span is about 300 feet. The tippie being erected midway in between these different openings, and natural conditions being such that it has made it very practical for all coal to be dumped over the same tippie. The company has arranged to place two fans on the north and two on the south, and are preparing to install the same, all to be ten-foot of the Capell type. The seam ranges from four feet six inches to five feet. The roof being of a hard nature makes these mines among the best and most promising, through natural conditions in this section of the county. The work is suspended at the present time awaiting for a side track. Oil and powder laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand.

J. A. WOOD, Gen. Mgr. and Supt.

EDWARD HOPE, Mine Boss.

CRANBERRY FUEL CO.

Series No. 966. *Sprague Mine.*—This is a slope mine located on the P. R. & P. C. R., a branch road from the Piney branch of the C. & O. R. R., eighteen miles from Prince and ninety-two miles from Charleston. The development is in the Sewell seam which at this point is somewhat irregular in thickness, ranging from two to four feet. The work is conducted principally on the double entry system. The ventilation is produced by a ten-foot disc fan which is giving very good results throughout the mine. This is a very wet mine as it is going to the dip about $2\frac{1}{2}\%$ with a fireclay bottom and a heavy draw slate, which at most times comes with the coal, makes it very dangerous and difficult to handle. The water is being taken from the mine with two large pumps, and at times are inadequate for the work. This mine is in about 4000 feet on an average of 7% grade from point to point. Rules are posted; lamps,

stretchers and blankets kept on hand. The oil and powder laws are observed.

W. C. THURMAN, Supt.

E. T. HUDSON, Mine Boss.

Series No. 967. *Skelton Mine*.—This is a slope mine located on the P. R. & P. C. R., a branch road from the Piney branch of the C. & O. R. R., twenty miles from Prince and ninety-four miles from Charleston. The development is in the Sewell seam which at this point is somewhat irregular in thickness, ranging from two to four feet. The work is conducted principally on the double entry system. The ventilation is produced by a ten-foot Robinson fan which is giving good results. This mine is going to the dip at the rate of about 7% and is in 3500 feet, and is very wet, the seam being very irregular ranging from two to four feet but is very full of rolls carrying with it a very treacherous top making it very dangerous and hard to handle. The water is taken from the mine by two five-inch pumps operated by air. A separate traveling way is being provided for the men of this mine going to and from their work. The powder and oil laws are being observed. Rules are posted; lamps, stretchers and blankets kept on hand.

W. C. THURMAN, Supt.

JESSE THOMAS, Mine Boss.

Series No. 968. *Cranberry Mine*.—This is a shaft mine located on the P. R. & P. C. R., a branch road from the Piney branch of the C. & O. R. R., twenty-two miles from Prince and ninety-six miles from Charleston. The development is in the Sewell seam which at this point is somewhat irregular in thickness, ranging from three feet to four feet six inches. The work is conducted principally on the triple entry system. The ventilation is produced by a fifteen by six Capell fan which is giving good results throughout the mine. With the improvements that they are making, by enlarging their air ways, concrete stoppings and brick over-casts, they have made great improvements in this mine in the last eight months. This mine generates a small amount of gas in the east workings but is being well cared for by the proper distribution of ventilation. This mine is worked exclusively by safety powder. This mine carries with it a very good roof. Powder and oil laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

ARCHIBALD BLACK, Supt.

THOMAS BRADLEY, Mine Boss.

WILSON HOME, Fire Boss.

Series No. 969. *Prosperity Mine*.—This is a shaft mine located on the P. R. & P. C. R., a branch road from the Piney branch of the C. & O. R. R., twenty three miles from Prince and 97 miles from Charleston. The development is in the Sewell seam which at this point is somewhat irregular in thickness, ranging from three to four feet. This work is conducted principally on the double entry system. The ventilation is produced by a ten by five Capell fan which is giving very good results throughout the mine. This mine being connected, makes Cranberry mine a second opening for Prosperity, and Prosperity mine a second opening for Cranberry mine. There are two heavy concrete stoppings fifty feet

apart at the connecting point and a small door two by four and one-half feet, just enough for a man to go through, one door on the left hand of the first stopping and the other on the right hand side. These doors are made of boiler plate. This has been done in order to take proper precaution against anything that might happen. They are now making large partings at the bottom of the shafts preparing for a large output. This roof is of a hard nature. The haulways are in good condition. Drainage is fair. Safety powder is used exclusively in this mine. Oil and powder laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand.

ARCHIBALD BLACK, Supt.

JAMES NESBET, Mine Boss.

MABSCOTT COAL & COKE CO.

Series No. 970. *Mabscott Mine*.—This is a drift mine located on the Piney branch of the C. & O. Ry., about sixteen miles from Prince. The developments are in the Sewell seam, which ranges in thickness from four feet four inches to four feet eight inches. The work is conducted on the double entry system. The ventilation is produced by a ten by four and one-half Robinson fan which is giving very good results throughout the mine, but they have had to reopen an air way 3500 feet in order to give proper support to the fan. With the improvements of concrete stoppings, the mine is well ventilated throughout. The greater part of this mine is robbing. The draw slate being of a brittle nature about eight inches thick is very dangerous and difficult to handle. Haulways are in a fair condition, the refuge holes being installed according to law. Drainage is good. The powder and oil laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

W. J. ELGIAN, Supt.

W. D. LEE, Mine Boss.

HOME COAL CO.

Series No. 971. *Lewis Mine*.—This is a drift mine located on the Piney branch of the C. & O. Ry., about sixteen miles from Prince. The developments are in the Sewell seam, which ranges in thickness from four to six feet. The work is conducted on the double entry system. The ventilation is produced by a furnace which gives very good results. The roof is very dangerous, carrying with it from two to two and one-half feet of draw slate which is very difficult to handle, having over it about eighty feet of covering. This mine has suspended work and closed up accounts.

JESSE THOMAS, Supt. and Mine Boss.

BECKLEY COAL & COKE CO.

Series No. 972. *Beckley Mine*.—This is a slope mine located on the Piney branch of the C. & O. R. R., about seventeen miles from Prince and by rail ninety-one miles from Charleston. The developments are in the Sewell seam and are conducted on the double entry system. The ventilation is produced by a twelve by five and one-half-foot fan, which gives good results. The ventilation arrangements including doors, stoppings, etc., are good. The drainage is accomplished by steam pumps,

together with the general condition of the mine are good. All necessary provisions for the taking care and removal of anyone injured, keeping on hand safety lamps, posting special rules, etc., are all observed and regularly enforced.

Three regular inspections of this plant were made during the year, at which times the general condition existing were found safe and satisfactory in every respect.

W. J. ELGAIN, Supt.

JOHN ABSOLAM, Mine Foreman.

NEW RIVER COLLIERIES CO.

Series No. 973. *Eccles No. 11 Mine.*—This is a shaft mine located at the junction of Piney branch of the C. & O. R. R. and Virginia Ry., 25 miles from Prince, and 100 miles from Charleston. The developments are in the Beckley seam and conducted on the triple entry system. Ventilation is produced by an eighteen by seven-foot Capell fan, which gives good results throughout the mine. The air shaft is down and completed which constitutes the second opening to this mine. This mine generates considerable amount of gas throughout the mine. This mine is worked exclusively by locked safety lamps. The seam at this point is very irregular. The bottom seam which is being worked at the present time, varies from two to four feet. The upper split runs from two to seventeen feet, in between slate. The coal on the upper part runs from one to four feet, with a very scaly roof, needs very careful timbering. The mine is well equipped with all the modern requirements, and the hoisting machinery is well up to date. Safety powder is used exclusively in this mine. Rules are posted; lamps, blankets and stretchers kept on hand.

J. S. CHANEY, Supt.

E. S. BIGGS, Mine Foreman.

E. P. FLEMAN, Fire Boss.

Series No. 974. *Eccles No. 12 Mine.*—This is a shaft mine located at the junction of Piney branch of the C. & O. R. R. and Virginia Ry., 25½ miles from Prince and 100½ miles from Charleston. This shaft has been sunk to the depth of 500 feet. They have passed the point where the seam should have been. The air shaft is down 150 feet. This work has been suspended until further developments of No. 11 Mine.

J. S. CHANEY, Supt.

SLAB FORK COAL CO.

Series No. 975. *Slab Fork No. 1 Mine.*—This is a drift mine located on the Virginia Ry., 37½ miles from Prince and 112½ miles from Charleston. The developments are in the Beckley seam and are conducted on the double entry system. The ventilation is produced by a ten-foot Thayer fan driven by electric power at high speed, which gives good satisfaction throughout the mine. The doors and the stoppings are according to law. The seam is a little irregular, ranging from three to five feet, carrying with it a good slate roof. The drainage is fair, and general conditions good. Oil and powder laws are observed. Rules are posted; lamps, blankets and stretchers kept on hand.

W. G. CAPERTON, Supt.

J. M. PRICE, Mine Boss.

Series No. 976. *Slab Fork No. 2 Mine.*—This is a series of drift mines. These mines are located on the Virginia Ry., $37\frac{1}{2}$ miles from Prince and $112\frac{1}{2}$ miles from Charleston. This is a new opening just being prepared for operation. Developments are in the Beckley seam which varies in thickness from three to four and one-half feet. Its roof is slate of a hard nature. Its ventilation at present is produced by a furnace. There are only ten men working in this mine. They are preparing to erect a fan to this mine. Haulage and drainage are fair. Oil and powder laws are being observed. Rules are posted; lamps, blankets and stretchers kept on hand.

W. G. CAPERTON, Supt.

J. M. PRICE, Mine Boss.

E. E. WHITE COAL CO.

Series No. 977-978. *Nos. 1 and 2 Mines.*—Are a series of shafts being sunk at Whiteside, $2\frac{1}{2}$ miles from Lester on the Virginia Ry., on Shockey creek, located about 30 miles from Prince and 105 miles from Charleston. The main shafts are twenty-six by thirteen and one-half feet, and when completed will be down about 385 feet to Beckley seam. The distance between the two main shafts is 460 feet. These mines will be situated on a branch of the Virginia Ry., which is now well under way.

E. E. WHITE, Supt.

TENTH DISTRICT.

GENERAL SUMMARY OF THE TENTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings	No. Persons Killed.	EMPLOYES.									Production of	
			Inside.					Outside.				Coal	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	Sum Totals.	Tons of 2,240 lbs.)	Tons of 2,000 lbs.)
Mercer.....	39	6	1,300	38	17	659	2,014	391	394	785	2,799	1,823,674	219,597
McDowell(p't)	32	18	1,921	27	8	1,000	2,956	485	726	1,211	4,167	2,824,564	406,357
Totals.....	51	24	3,221	65	25	1,659	4,970	876	1,120	1,996	6,966	4,648,238	625,954

OFFICE OF THE TENTH DISTRICT MINE INSPECTOR,
Bramwell, W. Va., September 11, 1908.

HON. JAMES W. PAUL,
Chief of the Department of Mines,
Charleston, W. Va.

SIR:—In compliance with the requirements of the Mining Law, I herewith submit my first report, dating from the time of my appointment, August 1, 1907, and ending June 30, 1908.

During the year I made 101 regular inspections and 44 special visits for various purposes connected with my duties.

There occurred from various causes, inside and outside of the mines, 17 fatal and 106 non-fatal accidents. The fatal accidents were investigated as soon after the accident occurred as opportunity permitted. Without entering into details as to the causes of the accidents, I beg to advise that my investigations show the majority of cases to have been due to gross ignorance or negligence on the part of the victims themselves, the greater number of whom were negroes and foreigners.

There were many interruptions in the work of inspection during the year, from various causes; calls were frequently made for assistance in other districts; the mines during the last six months worked less than half time, which occasioned considerable interruption.

The awful calamity which occurred in the Monongah Mines December 6th, 1907, to which all the mine inspectors were called to the rescue, consumed with its attendant investigations, nearly two months time.

It was my unpleasant duty to prosecute a large number of miners and other employes, for violations of the mining laws relating to solid shooting, taking powder into the mine in large quantities, and the use of kerosene oil. The parties prosecuted were in every instance found guilty and fined as the law directs. In several instances it has been necessary to serve notice upon certain operators that immediate action would be taken to enforce their compliance with the requirements of the law in certain particulars; the chief of the department has been notified as required in Section 16; but prompt attention to, and the correction of the matter complained of, has obviated the necessity of prosecution.

Acting upon your advice, and following an examination of the Buckeye Mine, property of the Buckeye Coal & Coke Co., on March 23, 1908, I notified them as Section 16 of the mining law directs, that the use of the steam locomotive under the conditions existing in their mine, was detrimental to the health, and a menace to the lives of the men who were obliged to work therein. Your visit and inspection, accompanied by myself and Inspector Boyd of the Eleventh District, followed, which resulted in an order that the mine remain closed until the law was complied with in the matter complained of. The company made application to the judge of the Circuit Court for an immediate hearing, which was granted. The Turkey Gap Coal & Coke Co. had made application at the same time in an identically similar case, and a decision made by the judge after their hearing, which came first, declaring Section 24, prohibiting the use of steam locomotives in mines of this State was unconstitutional, made the hearing of the Buckeye case unnecessary, and it was dismissed.

The co-operation of the operators in the enforcement of the law is confined as a rule to an expression of a desire on their part to see them complied with. They balk, however, at entering complaint against any of their employes for violations, fearing they might leave their employ in consequence. They are willing, however, I might say anxious, to permit the inspector to assume the responsibility of prosecuting the offenders. There are some notable exceptions, who have assisted me in every way possible. The majority of the miners of this district are made up of a class of men whose most prominent characteristics are ignorance and indifference, and who seem to be more interested in evading the law than in co-operating with the inspector in enforcing its provisions.

Many improvements have been made both inside and outside of the mines. There has been more money expended for the improvement of the ventilation and drainage, than ever before in the same period of time, and the results are very satisfactory. The outlay has been made cheerfully, and I believe that the operators feel repaid, in the contemplation of the improved condition of their mines, and the consequent increased efficiency of their plant as a whole, and the assurance of greater security to their employes.

A much needed addition to the mining law is a section requiring that mine foremen and fire bosses hold "certificates of competency," and that an examining board be appointed in each inspection district to examine

into the applicants' qualifications for the position. This would insure the selection of practical men with at least sufficient intelligence to study their business. At present many of those holding these responsible positions, can barely read; their chief qualifications, so far as could be ascertained by observation, is a strong arm and heavy hand, yet the lives of many human beings and the security of valuable property is placed in the keeping of such men, who have never given the State any proof of their fitness for such responsibility.

The efforts of the mining department to prohibit the use of steam locomotives in the mines having failed, because of the unconstitutionality of Section 24 of the mining law, makes it very evident that at least that section of the law requires revision.

It has been intimated by the judge of this Circuit in the course of a hearing, that Section 16, in some of its provisions, was unconstitutional. This is the most important section in the mining law to the mine inspector and also to the employes, for, within it lies the authority to close a mine immediately, if found to be in a dangerous condition. Judging by the attitude of the judges who have been called upon to exercise their judgment in relation to the mining law, the law as a whole needs revision by constitutional lawyers.

In conclusion I beg to advise that the year from my point of view has been one of great progress, in this district.

My dealings with operators and employes have been agreeable and I take this opportunity to thank them for the many courtesies extended me.

I appreciate and thank you for the able advice and kindness and consideration you have shown me during the year.

I am yours very respectfully,

D. R. PHILLIPS,
Mine Inspector, Tenth District.

CONDITION OF THE MINES IN THE TENTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 1017 indicates the Tenth district and number 17 mine.

MCDOWELL COUNTY.

ALGOMA COAL & COKE CO.

Series No. 1001. *Northfork Mine, Coalng Station.*—This is a drift mine located on Burk creek, one-fourth mile west of Northfork, operating the No. 3 Pocahontas seam, the coal having an average thickness of five feet eight inches. The workings are in pillars with the exception of several places in a piece of coal next the outcrop. The drainage is bad. The roof is frail and requires careful timbering. Rules are posted and

blankets and stretchers are kept on hand. This mine shows every indication of not having been properly managed in its earlier days, as a result of which much of the coal is impossible of recovery, and such as can be is attended by considerable danger.

This mine was reported in last year's annual report as Northfork Mine, Coaling Station, No. 630.

WM. J. BEURY, Supt.

W. J. PIPPIN, Mine Boss.

Series No. 1002. *Piney Mine*.—This mine is located one mile north of Northfork. It is a drift mine operating the No. 3 Pocahontas seam which is here five feet eight inches thick. The ventilation is produced by a ten-foot fan which was until recently unsatisfactorily operated by steam. An electric motor is now attached which drives the fan at a much higher speed than did the steam, with a corresponding increase in the volume of air. The roof in the advance workings is very good, the seam decreasing in thickness under the better roof. The pillars have very frail roof, but are well looked after as was indicated by the manner in which they are timbered. Stone and concrete stoppings are built on main airways. Rules are posted and stretchers and blankets are on hand and the second opening meets the requirements of the law. Considerable improvement has been made during the year both inside and outside the mine. The management seem desirous of complying with the law. A fire boss is employed, but no indication of explosive gas has been discovered this year.

This mine was reported in last year's annual report as Piney Mine, No. 629.

WM. J. BEURY, Supt.

J. F. LOGAN, Mine Boss.

M. F. HENSLEY, Gen. Foreman.

GUY TAYLOR, Fire Boss.

ELK RIDGE COAL & COKE CO.

Series No. 1003-1004. *Elk Kidge Nos. 1 and 2 Mines*.—Are located three-fourths of a mile from Northfork on the Northfork branch of the N. & W. R. R. There are two drift openings connected inside, and delivering their coal to the same tipple. The seam is the Pocahontas No. 3 and is six feet thick on the average in this mine. Ventilation is produced by a sixteen-foot fan, and was very feeble at the face of the workings when I first visited the mine. Upon a subsequent visit, considerable improvement had been made. Stone stoppings had been built, and the current of air divided into two; there is, however, room for further improvement in the ventilation of this mine. I understand that a new fan is now in operation which no doubt will very materially increase the volume of air. During the winter months considerable dust accumulates in parts of the mine, to which very little attention was paid at the time of my inspection. No effort had been made by the mine officials to enforce compliance with the sections of the law relating to the use of kerosene oil, carrying in kegs of powder, and solid shooting and a number of prosecutions were necessary to enforce compliance with the law. Drainage is good, and roof is fairly good and well timbered where needed.

Haulage is done by steam locomotives. Rules are posted, safety lamps, blankets and stretchers are kept on hand as required.

This mine was reported in last year's annual report as Elk Ridge, No. 639.

A. J. DALTON, Supt.

J. J. DALY AND

H. F. CREAKMAN, Mine Bosses.

GILLIAM COAL & COKE CO.

Series No. 1005. *Gilliam Mine*.—This mine is located on the Northfork branch of the N. & W. R. R., two miles north of Northfork. It is a drift opening operating the No. 3 Pocahontas seam, which has an average thickness of five feet. It is ventilated by an eighteen-foot fan. The current has been divided during the year into two splits. The roof is generally good. The drainage is good. Considerable improvement has been made inside the mine during the year to meet the requirements of the law, in relation to the ventilating current, and permanent stoppings, which are now made of stone and cement. They have a 250-volt electric haulage equipment. Rules are posted, and blankets and stretchers are provided. Mine foreman's record of air measurements is kept. The management seems willing to comply with the law or any suggestions of the inspector which may add to the safety of their employes.

The mine was reported in the last annual report as Gilliam Mine, No. 631.

MORRIS WATTS, Supt.

J. E. CAMPBELL, Gen. Foreman.

J. W. YOST, Mine Boss.

POCAHONTAS CONSOLIDATED COLLIERIES CO.

Series No. 1006. *Rolfe Mine*.—This mine is located on the Northfork branch. It is a drift opening into the No. 3 Pocahontas seam. It has been closed down for several years, no person being in charge, but it is rumored that it is soon to be put in operation.

JAS. E. JONES, Gen. Mgr.

INDIAN RIDGE COAL & COKE CO.

No. 1007. *Indian Ridge Mine*.—Is located four miles from Northfork on the Northfork branch of the N. & W. R. R. It is a drift mine in the No. 3 Pocahontas seam, which has an average thickness of five feet. The ventilation is produced by a nine-foot fan (Capell). The air was carried through the mine in one continuous current upon the occasion of my first visit, but has been divided into two since then, which is a decided improvement. The expense necessary to meet the requirements of the law in respect to splitting the current and building permanent stoppings was very great in this mine, on account of former bad management, but I must say that it was expended cheerfully and intelligently, and much credit is due to the Superintendent and foreman for the present good condition of the mine. The drainage is good. The roof is good above the draw slate, which comes down. The haulage is done by electric motors. The equipment is in good condition. Rules are

posted, blankets and stretchers are on hand. Mine foreman's record of air measurements is kept.

This mine was reported in last year's annual report as Indian Ridge, No. 633.

A. D. RICE, Supt.

H. A. TAYLOR, Mine Boss.

ROANOKE COAL & COKE CO.

Series No. 1008. *Roanoke Mine*.—This mine is located three and one-half miles from Northfork on the Northfork branch of the N. & W. R. R. It is a drift mine opening in the No. 3 Pocahontas seam which averages five feet two inches thick. The ventilation is produced by a ten-foot Thayer fan and is divided into two currents, an improvement which was made during this year. Drainage is good. Roof is fairly good and well timbered. Substantial stoppings are built when necessary. A much needed improvement is a fan capable of producing a greater volume of air. The general condition is as good as any mine in the district. Haulage is done by electric motors and one gathering motor is used. Rules are posted. Blankets and stretchers are kept at the mine in a place easy of access. The traveling way is in good condition. The average output is about 700 tons.

This mine was reported in last year's annual report as Roanoke Mine, No. 632.

W. C. EASLEY, Supt.

WM. L. MARSHALL, Mine Boss.

ARLINGTON COAL & COKE CO.

Series No. 1009. *Arlington Mine*.—Is located four miles from Northfork. It is a drift mine opening in the No. 3 Pocahontas seam which has a thickness of five feet. Ventilation is produced by an eighteen-foot fan and is good, being divided into two separate currents. The drainage is fairly good. The roof is good generally. Stone stoppings are built as required on main air way. The haulage is done by electricity. A three-ton and one five-ton gathering motor are used in part of the mine with considerable success. Rules are posted. Blankets and stretchers are kept on hand. Mine foreman's record of air measurements is kept. The traveling way meets the requirements of the law. With the present equipment this mine is capable of an output of about 800 tons daily.

This mine was reported in last year's annual report as Arlington Mine, No 634.

MORRIS WATTS, Supt.

J. E. CAMPBELL, Gen. Foreman.

ALBERT HALL, Mine Boss.

GREENBRIER COAL & COKE CO.

Series No. 1010. *Greenbrier Mine*.—This mine is located in the Northfork branch of the N. & W. R. R., about five miles from Northfork. It is a drift mine opening into the No. 3 Pocahontas seam which is here five feet six inches thick. The ventilation is produced by a thirteen-foot fan (Capell), and is split into two currents. This improvement was made during the year. Drainage is good. Roof is good. Stoppings are

of the most approved kind. The haulage is done by electric motors. Two gathering motors are also used. Rules are posted. Blankets and stretchers are kept in an available place. Upon my last visit I found the law complied with in every particular. The management is especially efficient. The daily output is 700 tons.

This mine was reported in last year's annual report as Greenbrier Mine, No. 635.

JARIUS COLLINS, Gen. Mgr.
J. C. SAUNDERS, Supt.

C. W. ATKINSON, Gen. Foreman.

MCDOWELL COAL & COKE CO.

Series No. 1011. *McDowell Mine*.—This mine is located on the Northfork branch of the N. & W. R. R. It is a drift mine operating the No. 3 Pocahontas seam which is here five feet six inches thick. The ventilation is produced by a thirteen-foot fan which gives an abundant supply, which however is carried throughout the mine in a single current. The management is busy making overcasts for the purpose of splitting the current which improvement will make the ventilation of the best. Very little attention was being paid to the enforcement of the laws relating to the use of kerosene oil, the carrying in of powder in large quantities and solid shooting. The management believing that the posting and distributing of the rules was all that was required; their laxity in this matter caused the prosecution of quite a number of their foreign miners. Haulage is done by electric motors, installed this year. Drainage is good. Roof generally good. Blankets and stretchers are kept on hand. The traveling way meets the requirements of the law. The average daily output is —

This mine was reported in last year's annual report as McDowell Mine, No. 636.

H. W. RAWSON, Supt.

E. R. WISE AND

J. C. LOVERN, Mine Bosses.

ASHLAND COAL & COKE CO.

Series No. 1012. *Monitor Mine*.—This mine is located on the Northfork branch three-fourths mile from Ashland. It is a drift opening in the No. 3 Pocahontas seam, which is here five feet thick. The ventilation is produced by a fan twenty feet in diameter and is divided into two currents. The drainage is good; the roof is exceptionally good. The permanent stoppings have not been built in all places required but are in course of construction. The haulage is done at present by steam locomotives, these however will soon be discarded for electric motors. The electric plant is installed and the wiring completed. Rules are posted. Blankets, stretchers, safety lamps and mine foreman's record are kept as the law requires.

This mine was reported in last year's annual report as Ashland No. 2 Mine, No. 638.

J. T. O'NEIL, Supt.

LEVI BOLEN, Mine Boss.

POCAHONTAS CONSOLIDATED COLLIERIES CO.

Series No. 1013. *Cherokee Mine*.—This mine is located one and one-fourth miles from Ashland on the Northfork branch. It is a drift opening operating the No. 3 Pocahontas seam, averaging five feet in thickness. A fan ten feet in diameter supplies the ventilation, which is split into two separate currents. The distribution is not as good as it should be, owing to the fact that the substantial stoppings are not built in every place required; this is now being done. Drainage is good generally, as also is the roof. Permanent stoppings have been built during the year on the main entry. Haulage is performed by steam locomotives. Rules are posted. Safety lamps, blankets and stretchers are kept on hand.

This mine was reported in last year's annual report as Cherokee Mine, No. 645.

JARIUS COLLINS, Gen. Mgr.
J. C. SAUNDERS, Supt.

ELLIS SHEETS, Mine Boss.

ASHLAND COAL & COKE CO.

Series No. 1014. *Ashland Mine*.—This mine is located at Ashland on the Northfork branch. It is a drift opening in the No. 3 Pocahontas seam, and is five feet thick at this place and covered with exceptionally good roof. Ventilation is produced by a sixteen-foot fan, and is divided into three splits, the current being well distributed at the face of workings. Drainage is fair. Good substantial stoppings are built along main airways. Steam locomotives are now used for haulage but it is intended to replace them in the near future with electric motors, the power to be supplied by the Monitor electric plant. Rules, safety lamps and stretchers and blankets are provided as required by law. The traveling way is in good condition. The management is disposed to comply with the law, and the recommendations of the mining department.

This mine was reported in last year's annual report as Ashland No. 1 Mine, No. 637.

T. J. O'NEIL, Supt.

J. C. LOVERN, Mine Boss.

ZENITH COAL & COKE CO.

Series No. 1015-1016. *Zenith Nos. 1 and 2 Mines*.—These mines are located seven and one-half miles from Northfork at the end of the Northfork branch of the N. & W. R. R. There are two drifts opening into this tract, both delivering their coal to the same tippie. The coal averages about four and a half feet in thickness. The roof is exceptionally good. The ventilation is produced by a twelve-foot fan at each of the openings. The current in each mine is split into more divisions than the volume produced by the fan justifies; although the quantity is ample for the number of men employed. Coal is hauled by electricity. The stoppings are made of stone throughout the mine. Solid shooting was practiced exclusively when the mine was first inspected, but has been abolished to a great extent. These mines become very dusty during winter months,

but are well watered during that period. The management seem to be desirous of complying with the requirements of the law.

These mines were reported last year as Zenith Mines, Nos. 649 and 650.

S. S. COFFMAN, Supt.

J. M. WATT, Mine Boss.

POCAHONTAS CONSOLIDATED COLLIERIES CO.

Series No. 1017. *Lick Branch Mine*.—This mine is located at Switchback on the main line of the N. & W. R. R. It is a drift mine in the No. 3 Pocahontas seam, which is here eight feet three inches thick. The ventilation is in two currents supplied by a fan 18 feet in diameter. Considerable money has been cheerfully expended cleaning up airways, building substantial stoppings, overcasts, etc., during this year, resulting in a mine which is up to date in this respect. Drainage is good; the roof is exceptionally good. The haulage is done by electric motors. Rules are posted, blankets, stretchers and safety lamps are kept on hand. The average output of the mine is about 700 tons daily.

This mine was reported in last year's annual report as Lick Branch Mine, No. 642.

J. E. JONES, Gen. Mgr.

R. S. WHITEHEAD, Gen. Foreman.

E. H. JONES, Supt.

E. H. BOWER AND

C. J. HOLLIDAY, Mine Bosses.

Series No. 1018. *Delta Mine*.—This mine is located at Switchback on the N. & W. R. R. It is a drift opening in the No. 3 Pocahontas seam. The seam is eight feet thick. Ventilation is produced by a sixteen-foot fan which supplies ample quantity. For a greater portion of the year, this mine was ventilated by a continuous current, but now has two currents taken from separate intakes. The management have plans for the future ventilation of the mine which will make it equal to any in the district. The draw slate roof is rather frail, and falls with little if any warning. The individual accidents from this cause being very high. The drainage is good. The stoppings are substantial. A trace of explosive gas is found in the main entry and air courses. The haulage is done with electric motors. Rules are posted. Blankets, safety lamps and stretchers are kept on hand. The traveling way meets the requirements of the law. The central station where electricity is generated for seven of the mines of this company is located at this colliery. The most modern machinery is installed; among others a 2000 K. W. alternating current Westinghouse generator, driven by a direct connected steam turbine of 3000 H. P. capacity.

This mine was reported in last year's annual report as Delta Mine, No. 643.

J. E. JONES, Gen. Mgr.

R. S. WHITEHEAD, Gen. Foreman.

E. H. JONES, Supt.

C. H. BOWER, Mine Boss.

Series No. 1019. *Shamokin Mine*.—This mine is located on the N. & W. main line near Switchback. It is a drift opening operating the No. 3 Pocahontas seam, which is eight feet ten inches thick at this

point. Eighteen inches of this is left up for roof. The ventilation is produced by a sixteen-foot fan and is divided into six splits, giving an ample supply of fresh air to the employes in each district. The drainage is good. The coal roof is good, but the draw slate above it is very bad. Stoppings are substantially built. Haulage is by electricity supplied by the central station. Rules are posted. Stretchers, blankets and safety lamps are kept on hand. The mine is very efficiently managed and compliance with the law is enforced by the management.

This mine was reported in last year's annual report as Shamokin Mine, No. 644.

JAS. E. JONES, Gen Mgr.

R. S. WHITEHEAD, Gen. Foreman.

A. A. COOPER, Mine Boss.

Series No. 1020-1021. *Norfolk Nos. 1 and 2 Mines.*—Are located about one and one-half miles from Switchback on a branch road. There are two drift openings connected inside, operating the No. 3 Pocahontas seam which is eight feet thick at this point. The coal is delivered to the same tipple as used by the Angle Mine. The ventilation is produced by a twenty-eight-foot fan. The current is divided into two separate splits at present, but work has been started to increase the number. Drainage is deficient owing to the undulating pavement. Roof is fairly good. Stoppings are of the best construction. The haulage is done by electric motors. Rules are posted. Safety lamps, stretchers and blankets are kept on hand. The traveling way is according to law.

This mine was reported in last year's annual report as Norfolk Mine, No. 640.

J. E. JONES, Gen. Mgr.

R. S. WHITEHEAD, Gen. Foreman.

E. H. JONES, Supt.

J. W. SHUFFLEBARGER, Mine Boss.

Series No. 1022. *Angle Mine.*—Is located opposite the Norfolk Mine, is a drift opening in the No. 3 Pocahontas seam which is five feet six inches thick. The ventilation is produced by a sixteen-foot fan. The air current is continuous, no splits being completed as yet, although contemplated. The ventilation is very good at the face of the workings. A slight trace of gas is found in two entries and their air courses. Drainage is deficient. Roof is good. Stoppings are of a permanent character. The haulage is done by electric motors which receive their current from the central station at Delta. Rules are posted. Safety lamps, stretchers and blankets are kept on hand. The traveling way meets the requirements of the law. This mine is very efficiently managed.

It was reported in last year's annual report as Angle Mine, No. 641.

E. H. JONES, Supt.

R. S. WHITEHEAD, Gen. Foreman.

J. W. SHUFFLEBARGER, Mine Boss.

ELKHORN COAL & COKE CO.

Series No. 1023. *Elkhorn Mine.*—Is a drift mine located near Mayberry on the main line of the N. & W. R. R. The seam is seven feet eight inches thick and is the No. 3 Pocahontas seam. The mine is well managed and despite very unfavorable conditions of roof in portions of the mine,

the individual accidents have been below the average. The ventilation is produced by a fan eighteen feet in diameter. The current is divided into three separate splits. I found this condition on my first inspection. Drainage is good. Roof is good as a rule in the centre of the tract, but becomes more frail as the outcrop is approached. Stoppings are permanent in character between the main intake and return. Rules are posted. Blankets, stretchers and safety lamps are kept at the mine. The record of mine foreman's air measurements is kept correctly.

This mine was reported in last year's annual report as Elkhorn Mine, No. 648.

R. S. ORD, Supt.

L. B. HOLLIDAY, Mine Boss.

MERCER COUNTY.

COALDALE COAL & COKE CO.

Series No. 1024. *Coaldale Mine*.—This mine is located at Coaldale on the N. & W. R. R. It is a drift, operating the No. 3 Pocahontas seam. The ventilation is produced by an eighteen-foot fan, is carried in two splits and is well distributed. Very little of this mine is working in solid coal having been driven to its boundaries. The recovery of the pillars is attended by considerable danger, owing to the frail roof, which danger is increased on account of the thickness of the coal (nine feet) as it is difficult to inspect the roof for signs of danger. Every precaution is taken to guard against accident to the employes by this management. Drainage is as good as can be expected. Stoppings are of a substantial character where needed. Haulage is done by electric motors. Rules are posted. Mine foreman's record is properly kept. Blankets, stretchers and safety lamps are kept at the mine. The traveling way meets the requirements of the law.

This mine was reported in last year's annual report as Coaldale Mine, No. 724.

C. E. F. BURNLEY, Supt.

GEO. L. SMITH AND

J. T. WOOD, Mine Bosses.

MILL CREEK COAL & COKE CO.

Series No. 1025. *Mill Creek West Mine*.—This mine is located on Mill creek near Cooper on the main line of the N. & W. R. R. It is a drift opening in the No. 3 Pocahontas seam which is eight feet thick. Ventilation was produced by a fifteen-foot fan when first inspected, but this was destroyed by fire and a ten-foot Thayer fan was installed which supplies ample ventilation. The workings are all in pillars excepting a few places. The roof is frail generally which makes the withdrawing of pillars dangerous work. This work is under the constant supervision of a number of pillar bosses, whose sole duty is to look after the safety of the miners, and the recovery of all the coal possible compatible with safety. Stoppings are substantial where necessary. Haulage is done by electric motors. The requirements of the law relative to blankets,

stretchers and safety lamps and mine foreman's record are complied with.

This mine was reported in last year's annual report as Mill Creek Mine, No. 723.

C. E. F. BURNLEY, Supt.

J. T. WOOD AND

J. W. JOHNSON, Mine Bosses.

Series No. 1026. *Mill Creek East Mine*.—This mine is located across the valley directly opposite the Mill Creek West Mine, and in the same seam. The ventilation is produced by a sixteen-foot fan. The mine is being rapidly exhausted, only a small number of miners are employed. The drainage is very deficient. The roof is frail. Rules are posted. Blankets, stretchers, safety lamps and mine foreman's record are kept as the law requires.

This mine was not reported in last year's annual report.

C. E. F. BURNLEY, Supt.

J. T. WOOD AND

J. W. JOHNSON, Mine Bosses.

Series No. 1027. *West Fork Mine*.—This mine is located on the West fork of Mill creek near Cooper. It is a drift mine operating the No. 3 Pocahontas seam. It was formerly connected inside with the Mill Creek West Mine, but the pillars between them have been robbed during the year. The ventilation is produced by a fifteen-foot fan. A small number of miners are employed. The drainage is fair. The roof generally is poor. Haulage is done by a steam locomotive. Rules are posted. Blankets, stretchers and safety lamps are kept on hand.

This mine was not reported last year as it was considered a part of the West Mine.

C. E. F. BURNLEY, Supt.

J. T. WOOD AND

J. W. JOHNSON, Mine Bosses.

Series No. 1028. *Tug River Mine*.—This mine is located near the head waters of Tug River. It is a drift opening operating the No. 3 Pocahontas seam. It is ventilated by diverting a portion of the air from an intake of the Pocahontas Mine of Virginia. A Clifford Capell fan is on the ground, which will be installed as soon as electric plant now under construction is completed. The coal is hauled in the mine cars by a steam locomotive a distance of about three and one-half miles to the Mill Creek tippie, passing through the West Fork Mine in transit, the tunnel being about one mile in length. An electric haulage system for the underground haulage will soon be in operation. The roof is very frail, and has been a source of great expense and anxiety. The management, to overcome this, decided to leave about two feet of coal for roof, which leaves eight feet to mine. The miner is obliged to make the mining cut in the coal next the roof coal, thereby eliminating the danger of breaking the roof with shots. The law is complied with in respect to rules, blankets, stretchers and mine foreman's record. The traveling way was in course of construction when the mine was last visited.

This mine was reported in last year's annual report as Tug River Mine, No. 725.

C. E. F. BURNLEY, Supt.

H. L. PRICE, Mine Boss.

BUCKEYE COAL & COKE CO.

Series No. 1029. *Buckeye South Mine.*—This mine is located on Simmons creek about two miles from Simmons on the Widemouth branch of the N. & W. R. R. It is a drift mine in the No. 3 Pocahontas seam. The ventilation is produced by an eighteen-foot fan. Upon my first visit the ventilation was insufficient at the face of several entries, but the stoppings have since been made of a permanent character, and the ventilating current divided into two splits which improved the conditions very materially, although there is still room for considerable improvement in this direction. Kerosene oil was generally used, and the management were opposed to the elimination of its use by the drivers, although the condition as to grades and high velocity of the current in this mine are not such as to justify their argument that they should be permitted to use kerosene. Many of the mines in this district where miners' oil is used without complaint have worse conditions. I make mention of this matter here for the reason that no other management in the district has made objection after trial to the use of miners' oil. The haulage is done by steam locomotives. The drainage is fair. The roof is generally good, in some parts however the roof is frail and requires careful timbering. Rules are posted. Blankets and stretchers and safety lamps are kept on hand, and the mine foreman's record properly kept.

This mine was reported in last year's annual report as Buckeye Mine, No. 726.

J. C. PACK, Gen. Mgr.

JOHN H. WILLIAMS, Mine Boss.

F. R. HEWITT, Supt.

Series No. 1030. *Buckeye North Mine.*—This mine is located opposite the South Mine in the same tract of coal. The mine employs a small number of men, and its output is delivered to the same tippie as that of the South Mine. Very little work has been done during the year. The ventilation is supplied by the same fan as supplies the South Mine. The condition of roof is about the same as the other mine.

This was not reported last year as a separate mine.

J. C. PACK, Gen. Mgr.

JOHN H. WILLIAMS, Mine Boss.

F. R. HEWITT, Supt.

BOOTH-BOWEN COAL & COKE CO.

Series No. 1031. *Booth-Bowen Mine.*—This mine is located on Simmons creek about three miles from Simmons. It is a drift opening in the No. 3 Pocahontas seam. Its ventilation is produced by a twenty-foot fan which supplies an abundant volume of air. When first inspected the air was not properly distributed, but some changes suggested by me at that time were carried out, which resulted in a decided improvement. The air is divided into two separate currents receiving their air from two intakes. The haulage is done by steam locomotives, and until the

improvement mentioned previously was made in the system of ventilation, the haulage road was very smoky. The drainage is good, and roof is also good. Rules are posted. Blankets, stretchers and safety lamps are kept on hand, and the air measurements are made and recorded as required by law.

This mine was reported in last year's report as Booth-Bowen Mine, No. 729.

J. P. BOWEN, Supt.

B. F. BRAY, Mine Boss.

POCAHONTAS CONSOLIDATED COLLIERIES CO.

Series No. 1032. *Casewell Hemlock Mine*.—This mine is located on Simmons creek two and one-half miles from Simmons. It is a drift mine operating the No. 3 Pocahontas seam. Its ventilation is supplied by an eighteen-foot fan and is in two currents which is distributed fairly well. A large Robinson fan is in course of construction, which is expected to produce sufficient ventilation for this and the adjoining Caswell Elkhorn Mine. The haulage is done by steam locomotives. The drainage is fair. Roof is generally good. Stoppings substantially built where needed. Rules are posted. Blankets and stretchers are kept at the mine as required. The record of air measurements are properly kept, and the traveling way meets the requirement of the law.

This mine was reported in last year's annual report as Hemlock opening, Caswell Creek Mine, No. 728.

J. E. JONES, Gen. Mgr.

L. W. OLDHAM AND

E. H. JONES, Supt.

R. F. SMITH, Mine Bosses.

Series No. 1033. *Caswell Elkhorn Mine*.—This mine is located on Simmons creek opposite the Hemlock Mine, with which it is connected. Its ventilation is produced by a fourteen-foot fan, and is very well distributed in two currents. Considerable improvement has been made in the mine during the year to improve the ventilation. The drainage is fair. The mine is hard to drain owing to the undulating character of the pavement. The roof is frail, requiring careful timbering. Substantial stoppings have been built where needed. The haulage is by steam locomotives. Rules are posted. Blankets, stretchers and safety lamps are kept on hand as required, and a good traveling way is maintained.

This mine was reported in last year's annual report as Elkhorn opening, Caswell Creek Mine, No. 727.

JAS. E. JONES, Gen. Mgr.

L. W. OLDHAM, Mine Boss.

E. H. JONES, Supt.

LOUISVILLE COAL & COKE CO.

Series No. 1034. *Goodwill Mine*.—This mine is located on Flipping creek about one mile from the town of Goodwill. It is a drift opening in the No. 3 Pocahontas seam. The ventilation is produced by a sixteen-foot fan and is very well distributed. Drainage is good. Roof is very bad, and great care is exercised in timbering. Stoppings are very temporary. Haulage is by electric motors. Rules were not posted. Blankets

and stretchers are kept on hand. This mine has been closed down the greater part of the year, and only one visit was made.

It was reported in last year's annual report as Goodwill Mine, No. 731.
JAIRUS COLLINS, Gen. Mgr. GEO. L. McNEW, Mine Boss.
A. M. HERNDON, Supt.

Series No. 1035. *Louisville No. 2 Mine*.—This mine is located on Flipping creek near Goodwill. It is a drift mine operating the No. 3 Pocahontas seam. Ventilation is produced by a six-foot fan which is assisted by a booster fan three and one-half feet in diameter placed near the face of the workings. When this mine was first inspected it was in bad condition in every respect. During the year substantial stoppings have been built and the ventilation otherwise improved by splitting the current and cleaning up the air courses. The fan however is not of sufficient size for the work required. A connection will soon be made with the Goodwill Mine and the sixteen-foot fan there will be used exclusively for ventilating this mine. Drainage is good. The roof is frail generally and requires careful timbering. Electric haulage is used. Rules are posted. The law is complied with in respect to blankets, stretchers, safety lamps and mine foreman's record book.

This mine was reported in last year's annual report as Louisville No. 1, 2 and 3 Mines, No. 730.

JAIRUS COLLINS, Manager. ED. BUCKHANAN AND
A. M. HERNDON, Supt. J. W. MONTGOMERY, Mine Bosses.

Series No. 1036. *Louisville Klondike Mine*.—This is a drift opening in the No. 3 Pocahontas seam. It lies adjacent to the Louisville Mine in a small tract of coal. The output is delivered to the same tippie. The ventilation is produced by a five foot fan and was ample when last visited. Drainage is deficient. Roof is good. Substantial stoppings are built wherever needed. An electric system of haulage is employed. Rules are posted, and the law is complied with in respect to blankets, stretchers and safety lamps. Mine foreman's record did not fully meet the requirements.

This mine was reported in last year's annual report as a part of the Louisville and Klondike Mine, No. 730.

JAIRUS COLLINS, Manager. ED. BUCKHANAN AND
A. M. HERNDON, Supt. J. W. MONTGOMERY, Mine Bosses.

CEPHUS COAL CO.

Series No. 1037. *Cephus Mine*.—This is a drift mine located on Crane creek two miles from Montcalm. It is operating the No. 3 Pocahontas seam. The ventilation is produced by a small furnace, and is barely sufficient for the few men employed. The drainage is deficient on the haulage road. The roof is generally good. Stoppings are not of a permanent character. The coal is hauled to the tippie near the head of plane by mules. Rules are posted. Blankets and stretcher are kept on hand. Previous to my first inspection the requirements were entirely ignored. The area to be mined is small and everything is of temporary

construction in consequence. The mine has been idle a greater part of the year.

It was reported in last year's annual report as Cephus Mine, No. 746.
P. J. VIGLIANI, Supt. D. H. THOMPSON, Mine Boss.

CRYSTAL COAL & COKE CO.

Series No. 1038-1039. *Crystal Nos. 2 and 4 Mines.*—These mines are located on Crane creek two and one-half miles from Montcalm. They are drift mines operating in the No. 3 Pocahontas seam and are connected inside. The No. 4 drift is a continuation of the workings of No. 2 drift. The latter is all pillar work while the No. 4 was opened to cut this pillar work off. The ventilation is supplied both mines by a ten-foot fan, and is distributed throughout the mines in two separate currents. A material improvement has been made during the year in respect to substantial stoppings, drainage, overcasts and cleaning airways. Drainage is fair. Roof is generally good, and where it is frail is well timbered. Rules are posted, and the law relating to blankets, stretchers, safety lamps and mine foreman's record is complied with. haulage is done with electric motors.

These mines were reported in last year's annual report as Crystal Mine, No. 736.

R. R. CAMPBELL, Supt.

J. W. HANCOCK AND

C. H. THOMPSON, Mine Bosses.

CRANE CREEK COAL & COKE CO.

Series No. 1040-1041. *Crane Creek Nos. 1 and 2 Mines.*—This is a drift mine with two openings, located on Crane creek, and operating the No. 3 Pocahontas seam. The ventilation is produced by a twenty-five foot fan, which is ample for the present needs of the mine. An additional fan is contemplated for the No. 1 opening. The current of air is divided into two splits, one for each side of the mine. This improvement has been accomplished during the year. Stone stoppings have been constructed throughout the mine on the main entries, and these as well as the overcasts are of the most substantial character. Drainage in No. 2 is deficient, but in the No. 1 entry is good, the conditions being more favorable for drainage. The haulage is performed by electric motors. The voltage carried is 500. Rules are posted. Blankets, stretchers and safety lamps are kept on hand, and the mine foreman's record book kept as the law requires. This management is to be commended for the excellent condition of their mine generally.

This mine was reported in last year's annual report as Crane Creek, Nos. 734 and 735.

T. O. DEANMER, Supt.

J. H. HUGHES, Mine Boss.

PINNACLE COAL & COKE CO.

Series No. 1042. *Pinnacle North Mine.*—This is a drift mine located on Crane creek, and operating the No. 3 Pocahontas seam. The ventilation is produced by a sixteen-foot fan, and is well distributed to the face

of the workings. During the year substantial stoppings have been built wherever required, doors of the best construction erected and drainage improved. The mine at present is in excellent condition, and the management deserves especial mention for their efficiency. The roof is good, haulage is done by electricity. Rules are posted, and the law complied with in every respect.

This mine was reported in last year's annual report as Pinnacle North-side Mine, No. 732.

T. O. DEANMER, Supt.

J. L. DEWEESE AND

T. D. PARSELL, Mine Bosses.

Series No. 1043. *Pinnacle South Mine*.—This mine is located across the ravine from the North Mine, and the coal is delivered to the same tipple. It is ventilated by a sixteen-foot fan, and the current is well distributed throughout the mine. The same may be said of this mine as of the North Mine in respect to the improvements made to better the ventilation: no expense has been spared; stoppings are substantially built and doors are well constructed. Drainage is deficient in some places. Rules are posted. Blankets, stretchers and safety lamps are kept on hand as required.

This mine was reported in last year's annual report as Pinnacle South-side Mine, No. 733.

T. O. DEANMER, Supt.

J. L. DEWEESE, Mine Boss.

THOMAS COAL CO.

Series No. 1044. *Thomas Mine*.—This mine is located on Crane creek and is a drift mine operating the No. 3 Pocahontas seam, which is here only four feet six inches thick. The ventilation is produced by an eighteen-foot fan. The air is distributed through the workings in two separate currents. This improvement was made this year. A change was made from steam locomotive haulage to electric haulage and considerable change made in the manner of handling the coal outside. Drainage is deficient owing to the undulating character of the seam, which makes drainage difficult. Stoppings are of substantial material. Rules are posted. Blankets, stretchers and safety lamps are kept on hand. The mine foreman's record book was not kept; the foreman did not know it was required.

This mine was reported in last year's report as Thomas Mine, No. 737.

W. J. PRITCHARD, Supt.

T. C. DOOLEY, Mine Boss.

PAWAMA COAL & COKE CO.

Series No. 1045. *Pawama Mine*.—This mine is located near Matoaka on Widemouth creek. It is a drift opening in the No. 3 Pocahontas seam. The ventilation is produced by a seven-foot fan, and is fairly well distributed throughout the mine. Drainage is fair, and the roof good. Haulage is performed by mules. Rules are posted. Blankets, stretchers and safety lamps are kept as the law requires. The traveling

way is in fair condition and the mine foreman's record book properly kept.

This mine was reported in last year's annual report as Pawama Mine, No. 745.

J. C. STRAS, Supt.

B. H. ENGLAND, Mine Boss.

WEYANOKE COAL & COKE CO.

Series No. 1046-1047. *Weyanoke Nos. 1 and 2 Mines.*—These mines are located one mile from Matoaka on Jameson creek. They are drift mines operating the No. 3 Pocahontas seam. An entry in the No. 1 drift was driven through the hill to the outside, and an opening made across the valley, which is the No. 2 drift. This will later be connected inside with No. 1. No. 1 is ventilated by a twelve-foot fan and the air is very well distributed through the working faces. No. 2 is ventilated temporarily by a furnace which produces sufficient current for the number of men employed. Drainage is good. Roof is good. Haulage is done by electric motors. Rules are posted. Blankets, stretcher and safety lamps kept on hand.

This mine was reported in last year's annual report as Weyanoke Mine, No. 738.

ROBT. D. PATTERSON, Supt.

J. S. WOODYARD, Mine Boss.

PIEDMONT COLLIERY CO.

Series No. 1048. *Piedmont Mine.*—This mine is located on a branch of Widemouth creek. It is a drift in the No. 3 Pocahontas seam. It is ventilated by an eight-foot fan, the current being well distributed to the face of the workings. Stone and cement stoppings have been built, and doors of good construction erected. The property changed hands some time ago, the new company however are operating under the same title as the previous owners. The mine is difficult to manage on account of a thick stone parting in the middle of the seam. A new system of mining has recently been adopted, which is expected to insure a more lumpy and clean coal. Rules are posted, and the law complied with in respect to mine foreman's record, safety lamps, stretchers and blankets.

This mine was reported in last year's annual report as Piedmont No. 1 Mine, No. 740.

T. O. DEANMER, Supt.

C. R. IRVING, Mine Boss.

THE SMOKELESS COAL & COKE CO.

Series No. 1049. *Smokeless Mine.*—This mine is located near Hiawatha on the Widemouth branch. It is a drift opening in the No. 3 Pocahontas seam. Ventilation is produced by a twelve-foot fan and is properly distributed in the workings. Haulage is done entirely by mules. drainage is deficient on the main haulage. Stoppings are of a permanent character. Roof is good. Rules are posted. Blankets and stretcher are kept as the law requires and the mine foreman's record is made out properly.

This mine was reported in last year's annual report as Smokeless Mine, No. 744.

O. N. MOOMAW, Supt.

J. W. SHREWSBURY, Mine Boss.

HIAWATHA COAL & COKE CO.

Series No. 1050. *Hiawatha Mine*.—This mine is located on the Widemouth branch, four miles from Matoaka. It is a drift opening in the No. 3 Pocahontas seam. The ventilation is produced by a sixteen-foot fan, and is well distributed. A change made in the ventilating system during the year was a decided and very necessary improvement. Haulage is performed by steam locomotives. Stone stoppings are the rule. Drainage is good; roof very good. The management are very desirous of complying with the law. Rules are posted. Blankets, stretchers and safety lamps are kept in an available place at the mine, and mine foreman's record book is properly kept.

This mine was reported in last year's annual report as Hiawatha Mine, No. 743.

O. N. MOOMAW, Supt.

W. M. NUNN, Mine Boss.

SPRING COAL MINING CO.

Series No. 1051. *Spring Mine*.—Is located on the Widemouth branch, five and one-half miles from Matoaka. It is a drift opening in the No. 3 Pocahontas seam. It is ventilated by an eighteen-foot fan, which produces an abundant supply of air, but which upon the occasion of my first visit was not properly distributed. The stoppings were improperly constructed and the general condition of the mine was bad. It is much improved now. Substantial stoppings are built where needed. Drainage is fair. Roof is good generally. Rules are posted. Blankets, stretchers and safety lamps are kept on hand. Haulage is done by steam locomotive.

This mine was reported in last year's annual report as Spring Mine, No. 739.

M. G. SAUNDERS, Supt.

J. H. BRAGG, Mine Boss.

WENONAH COAL & COKE CO.

Series No. 1052. *Wenonah Nos. 1 and 2 Mines*.—This mine is located at the end of the Widemouth branch. This mine has two openings designated as Nos. 1 and 2, operating the No. 3 Pocahontas seam. The drifts are connected inside and deliver their output to the same tippie. The coal is here four and one-half feet thick. The ventilation is produced by a sixteen-foot fan, is well distributed throughout the workings. Drainage is fair, roof good. The system of haulage is electric. Stone stoppings throughout the mine. Rules are posted and the law complied with in respect to blankets, stretchers, safety lamps and mine foreman's records. I consider the management of this mine very efficient men.

This mine was reported in last year's annual report as Wenonah No. 1 Mine, No. 741, and Wenonah No. 2 Mine, No. 742.

E. L. HARRIS, Supt.

ED. LUCAS, Mine Boss.

ELEVENTH DISTRICT.

GENERAL SUMMARY OF THE ELEVENTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings. No. Persons Killed		EMPLOYEES.										Production of	
			Inside.					Outside.					Coal.	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals.	Sum Totals.			
McDowell(p't)	87	65	3,340	1,174	179	2,020	6,713	954	1,392	2,346	9,059	5,691,125	1,275,527	
Wyoming.....	1	2	2	.....	.....	2	4	.....	.....	.....	4	652	.....
Totals	88	67	3,342	1,174	179	2,022	6,717	954	1,392	2,346	9,063	5,691,777	1,275,527	

OFFICE OF THE ELEVENTH DISTRICT MINE INSPECTOR,
Bluefield, W. Va., September 15, 1908.

HON. JAMES W. PAUL,
Chief of Department of Mines,
Charleston, W. Va.

DEAR SIR:—I have the honor to submit herewith my first annual report of the visits made, and inspections of the mines in the Eighth and Eleventh Mining Districts of West Virginia, for the year ending June 30, 1908.

The first eight months of the year my work was mostly in the Eighth District, which embraces Fayette and Greenbrier counties, and the last four months in the Eleventh District, which is in McDowell and Wyoming counties. I made 126 visits during the year in the Eighth District and 88 visits in the Eleventh District, making a total of 214 visits in both Districts for the year.

As to the industrial depression, which has been for over a year, has been keenly felt by every department of the mining industry. The people who depended on the mines for a living have suffered much privation and misery. These conditions existed mostly among the natives, as most of the foreign element migrated back to their native lands when the depression struck us.

Notwithstanding the irregularity with which the mines worked much improvement has been made by some of the operators to their properties, most of which was required by the mine laws of the State. I found most of the operators inclined to co-operate with the inspector in the discharge of his duties. I also found a few who pretended that they were in sympathy with the department, but when they were put to the

test it was found they were insincere in their convictions. Prosecutions were brought against several superintendents and mine foremen on account of their insincerity. They would promise to do what the law required in the operating of the mines under their charge and when the inspector would return to said mines he not only found what had been promised to be done untouched, but more violations added, which augmented matters to such an extent that action had to be brought before the courts.

A number of superintendents and mine foremen I found very incompetent, and they in my opinion are a very extravagant investment to the mine owners. At one operation where the inspector had to stop two-thirds of the employes on account of the bad ventilation in the various working places, the superintendent acknowledged that he did not know anything about the mine or the way to ventilate it. Everything was left to the foreman, who did not appear to care, as the superintendent was not capable of checking the work when he went in the mine. Ten days later when I again inspected this mine to ascertain what was being done in the way of meeting the requirements I found conditions changed. Ventilation was good through the mine. When I returned to the outside I remarked to the foreman that he deserved credit for his promptness in putting the mine in such good sanitary condition in so short a time. He replied that he could have had it that way all the time, but did not have to, before. In this case I consider both the superintendent and the foreman incompetent, as the superintendent did not know anything about the mine and the foreman did not care. Notwithstanding that the output of the mine was not what it should have been and all other results were equally as bad.

The ventilation of a mine, which is one of the most important factors in the operation of a mine both for the welfare of the men at work inside of the mine and for the owners of the mine, has been neglected at a large number of operations, while at other operations proper attention by the officials has been given to this matter and they will agree with me when I say that they have been amply rewarded for making improvements that increased the ventilation and arranged the same to the face of all working places. In many cases where the ventilation has been neglected it cannot be attributed to a lack of knowledge of the laws governing ventilation, but rather to a laxity on their part in allowing the ventilation to lag behind the working faces until the condition of the workings becomes unendurable and as such, increases the many dangers to a great extent and also increases the expense of everything connected with the mining of the coal and the delivering the same to the surface. Where these conditions as above stated exist I found the officials in charge invariably incompetent. I have had mine officials to tell me that an abundance of air was entering the mine as they were keeping a record of it as the law required. This was true, but the same was not conducted in the proper manner to the face of each working place in sufficient quantities to render a healthy atmosphere for each person employed therein.

The condition of the mines in general as to safety at this date is very good. There is but one mine (namely, the Jed Mine) in the Eleventh District that in my judgment is not as safe as it should be, on account of the amount of marsh gas that is being liberated from the coal and adjacent strata, and the same is being worked with the use of open lights. Section 14 of the mine law requires all mines generating gas in dangerous quantities to be worked exclusively by the use of locked safety lamps. When this mine was examined by the inspector on the sixteenth day of April, 1908, in his judgment, gas was being generated in dangerous quantities, and as the law required, he recommended that on and after the sixteenth day of May, 1908, that nothing but locked safety lamps be used in said mine, thus giving the operator one month to secure the lamps. Mr. Wm. Lackie, the official in charge of this mine, after some time dickerings about the matter appealed his case to Mr. J. W. Paul, chief of department of mines. A conference was held with Mr. Paul and after discussing the matter pro and con, Mr. Lackie said he would install the safety lamps, and as further assurance of his sincerity, he sent to Mr. Paul a copy of the telegram showing that he had ordered the safety lamps. Some few days later he notified the inspector that he had changed his mind in regard to working his mine with safety lamps and said, if he had to, he would take his case to court. The inspector then appealed to Mr. J. W. Paul, chief of department of mines, to come and close the mine as required by Section 16 of the mine laws. As requested by the inspector, Mr. Paul accompanied by district inspectors D. R. Phillips and P. A. Grady, made an examination of the mine to ascertain if conditions existed as were reported by the district inspector in charge before closing the mine. They all agreed that explosive gas was being liberated in dangerous quantities. Mr. Paul then proceeded to close the mine. After the mine was closed the operator appealed to the court in vacation for an order to reopen the same. This the court granted after a preliminary hearing and later gave his decision on a full hearing of the case and directed the mine to remain open. The writer is still of the opinion that the Jed Mine is in a dangerous condition owing to the amount of gas being liberated and working the same with open lights.

During the year, in order to compel a compliance with Section 24 relative to the use of steam locomotives in mines, on request of the district inspector, the chief of department of mines closed Turkey Gap Mine, which belongs to the Turkey Gap Coal & Coke Co., until such time as they saw fit to operate without the use of steam locomotives inside the mines. The officials of the mine appealed to the court, who declared Section 24 of the mine law unconstitutional and ordered the mine to be opened. Suits were also brought against the officials of the Jewett, Bigelow & Brooks Collieries Co., for violation of the mine laws. The cases were all dismissed by Justice J. R. Greenawalt, who went to the office of the company at Twin Branch to try the cases. The mine inspector who brought the suits did not get an opportunity to appear as the officer who was supposed to give him notice of the date the trial

was to be called, failed to do so and the Justice dismissed all the cases on the grounds that the complainant did not appear, when it was known that he did not get a chance to appear. When the inspector learned what had been done he secured the assistance of inspector D. R. Phillips and revisited the mines of this company and again found violations of the law at all the same mines. Suit was again brought against the same officials. Both inspectors, together with a number of witnesses whom they had summoned, were given an opportunity to defend the cases, as they received notice when these cases were to be tried. The State again lost all the cases except one against D. M. Woody, superintendent, who appealed his case to the Circuit court. The witnesses, who were employes of the company and who were summoned in the interest of the State and who gave the inspectors the information which caused suit to be brought against one of the officials, changed in their evidence at court what they told the inspectors at the mines, notwithstanding that the inspectors questioned them very closely in regard to the matter before taking action.

The inspector had to institute legal proceedings against eighty-three employes of the United States Coal & Coke Company for the violation of the oil law; three employes of the Crozer Coal & Coke Company for violation of Section 11 relative to taking excess quantities of powder into the mine; one employe of the Bottom Creek Coal & Coke Company for taking excess quantities of powder into the mine; one employe of the Powhattan Coal & Coke Company for burning mixed oil in violation of the oil law. In Fayette county suit was brought against the officials of the Layland Mine, belonging to the New River & Pocahontas Consolidated Coal Co., for violation of Sections 11 and 15 of the mine laws; also against officials of the Mill Creek Colliery Company for violation of Section 13 of the mine laws.

I find that the majority of the miners in this field are worse than the operators in violating the laws, while they are mostly for their protection. In rooms and other working places in the mines I have found miners working twenty to thirty feet ahead of their timber and the roof was that bad that it was anything but safe. I also found in these same places plenty of timber that was furnished by the operating company, but the miner was neglecting putting it up to protect himself. I also found a large number of workmen, and especially miners, who were violating the oil law, by burning kerosene and other oil mixed. The largest number of violators I found working for the United States Coal & Coke Co., at the mines in and about Gary. Section 11 relative to the quantity of powder to be taken and the manner it is to be carried into the mines was also being violated. Few of the miners realize the danger that is connected with this practice and do not seem to care, as a number persist in work of this kind regardless of the danger to their own lives and that of their fellow men. Shooting coal from the solid is being very well observed. Most of the operators I found were enforcing that provision of the law.

I would recommend that the mining laws be so amended as to provide

for all superintendents, mine foremen and fire bosses to undergo an examination that will demonstrate their knowledge of the duties that these offices will impose upon them; and that such examination should be conducted by a board to be composed of the chief of the department of mines, one mine superintendent and one miner, the latter two to be appointed by the chief of department of mines.

I also recommend that laws be enacted to provide for the handling of explosives and blasting in coal mines; and that in any mine that generates gas in any quantity that shot firers be employed to do all the blasting after all miners have retired from the mine; and that Section No. 14 of the mine laws be so amended that the chief of department of mines and his assistants to be the judges as to what constitutes dangerous quantities of gas that is being liberated in any coal mine.

In conclusion I wish to thank you and those connected with your office for the kind and courteous treatment I have received in all my business relations.

Yours very truly,

J. G. BOYD.

Inspector, Eleventh District.

P. S.—Owing to the time that was taken up at Monongah after the explosion of No. 6 and 8 Mines, belonging to the Fairmont Coal & Coke Co., which was a little over one month, and time attending court pertaining to our official duties, has deterred this office of a large number of inspections that would otherwise have been made.

J. G. B.

CONDITION OF THE MINES IN THE ELEVENTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 1118 indicates the Eleventh District and number 18 mine.

MCDOWELL COUNTY.

MOHAWK COAL & COKE CO.

Series No. 1101. *Mohawk Mine*.—This mine is located on the Tug river thirty-three miles west of Welch on the Norfolk & Western R. R. The ventilation is produced by an exhaust fan. Ventilation was found to be good in all working places. All provisions of the mining law are fairly well complied with. Steam locomotive is used for haulage, which travels into the mine some distance, being on the return airway. There is also a separate traveling way for the employes. The second opening meets with the requirements of the law.

This mine was reported last year as Mohawk Mine, No. 699 of the printed report.

WM. T. HEATHERMAN, Supt. KENNA HEATHERMAN, Mine Boss.

NEW RIVER & POCAHONTAS CONSOLIDATED COAL CO.

Series No. 1102. *No. 1 Mine.*—Ventilated by fan. Ventilation was found good throughout the mine. Roof is sandstone requiring little or no timbering. Stoppings are all built of concrete, and overcasts are used at every other entry. All other requirements are fully observed.

This mine was reported last year as No. 1 Mine, No. 715 of the printed report.

GEO. P. DANIELS, Supt.

H. J. REID, Mine Boss.

Series No. 1103. *No. 1 1-2 Mine.*—This mine is located at Berwind on Dry Fork, a branch of the N. & W. It is a drift opening operating the No. 3 Pocahontas seam. Ventilation is produced by a fan and is very good. Drainage was good. The second opening meets the requirements of the law. With the present mine development and equipment and a full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as No. 1 1-2 Mine, No. 716 of the printed report.

GEO. P. DANIELS, Supt.

H. J. REID, Mine Boss.

Series No. 1104. *No. 2 Mine.*—This mine is ventilated by a fan which produces an abundance of air. Gas was found in this mine. Mixed oil is used throughout the mine. The coal is undercut by electric machines. The second opening meets the requirements of the law. With the present mine equipment and with a full force of men this mine is capable of producing 300 tons daily.

This mine was reported last year as No. 2 Mine, No. 717 of the printed report.

GEO. P. DANIELS, Supt.

L. H. CARTER, Mine Boss.

Series No. 1105. *No. 3 Mine.*—This mine is located on a branch line of the N. & W. It is a drift opening operating the No. 3 Pocahontas seam. Ventilation is produced by a 7½-foot fan and is good, being well distributed throughout the mine. The roof is good. The oil used for illuminating purposes is of a good quality. The second opening meets the requirements of the law. With the present mine development and full force of men this mine is capable of producing 450 tons per day.

This mine was reported last year as No. 3 Mine, No. 718 of the printed report.

GEO. P. DANIELS, Supt.

CHAS RHODES, Mine Boss.

DRY FORK MINING & VESTMENT CO.

Series No. 1106. *War Creek Mine.*—This mine is located twenty-two miles from Iaeger on a branch line of the N. & W. This is a new mine. The ventilation is produced by a furnace and is bad. Timbering in this mine is fair. At time of inspection coal was being shot from the solid. The second opening meets the requirements of the law.

W. P. McGLOTHLEN, Supt. and Mine Boss.

HALL MINING CO.

Series No. 1107. *No. 2 Mine.*—This mine is located on Dry Fork

branch about twenty-one miles from Iaeger. Ventilation is produced by a fan and is very good. At time of inspection coal was being shot from the solid. The second opening meets the requirements of the mining laws. With the present equipment and a full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as Yukon Mine, No. 721 of the printed report.

HOWARD MEYERS, Supt.

BENJ. C. CORDLE, Mine Boss.

Series Nos. 1108, 1109, 1110 and 1111. No report.

VIRGINIA POCAHONTAS COAL CO.

Series No. 1112. *No. 1 Mine.*—This mine is ventilated by a fan and gives good ventilation throughout the mine. The drainage is good. The oil used for illuminating purposes meets the requirements of the laws. The second opening meets the requirements of the law. With the present development and equipment and a full force of men this mine is capable of producing 100 tons per day.

This mine was reported last year as No. 1 Mine, No. 711 of the printed report.

JOHN STEWART, Supt.

GEO. RATLIFF, Mine Boss.

Series No. 1113. *No. 2 Mine.*—Consists of three openings. This mine is ventilated by two fans which produce a good volume of air throughout the mine. Drainage is very good. General safety is good. The second opening meets the requirements of the law. With the present mine equipment and development this mine is capable of producing 125 tons per day.

This mine was reported last year as No. 2 Mine, No. 712 of the printed report.

JOHN STEWART, Supt.

JOE WARLD, Mine Boss.

Series No. 1114. *No. 3 Mine.*—This mine is ventilated by a fan which gives good ventilation throughout the mine. Drainage is good. Roof is very good, requiring little timbering. The second opening meets the requirements of the law. This mine with a full force of men and the present equipment is capable of producing 75 tons per day.

This mine was reported last year as No. 3 Mine, No. 713 of the printed report.

JOHN STEWART, Supt.

J. L. VANCE, Mine Boss.

Series No. 1115. *No. 4 Mine.*—The ventilation in this mine is produced by an eight-foot fan and has always been found good and well distributed throughout the mine. Drainage was fair. No dangerous practices observed. The second opening meets the requirements of the law. This mine with the present mine development and equipment and a full force of men is capable of producing 125 tons per day.

This mine was reported last year as No. 4 Mine, No. 714 of the printed report.

JOHN STEWART, Supt.

J. L. VANCE, Mine Boss.

Series No. 1116. *No. 5 Mine*.—This is a slope opening located on a branch line of the Dryfork branch of the N. & W., two miles from Susana on the Snap Lick stream. This is a new opening operating the War Creek seam. The ventilation is produced by a six-foot fan and was found very good. Drainage and general safety were good. The second opening meets the requirements of the law.

JOHN STEWART, Supt.

JOHN CLARK, Mine Boss.

VAUGHAN COAL & COKE CO.

Series No. 1118. *Vaughan Mine*.—This mine is located at Vaughan Station, six miles west of Davy. It is operating the Davy seam and is ventilated by a fan. Ventilation was found very good throughout the mine and all other requirements were being well observed.

This mine was reported last year as Cambridge Mine, No. 680 of the printed report.

J. A. VAUGHAN, Supt.

ROBT. H. GILLY, Mine Boss.

BIG SANDY COAL & COKE CO.

Series No. 1119. *Big Sandy Mine*.—This mine is located at Big Sandy on the N. & W. R. R., and is ventilated by two fans. Ventilation was only fair; old stoppings were found to be very bad. Men were at work putting up new stoppings of slate and concrete. Drainage was only fair as in several local dips on cross entries, water had been allowed to accumulate. Superintendent said men were at work on outside at an old drift where they expected to drain off the local dips with a ditch starting at that point. Roof was bad on right side of mine, where a squeeze was very noticeable, timbering was good. The law relative to powder and oil was being well observed, as well as other requirements. With a full force of men and the present development this mine is capable of producing 500 tons per day.

This mine was reported last year as Big Sandy Mine, No. 670 of the report.

J. C. RAWN, Gen. Mgr.

W. H. WILSON, Mine Boss.

WM. McFARLAND, Supt.

Series No. 1120. *Marytown Mine*.—This mine is located on Tug river at Marytown on the N. & W. R. R. It is ventilated by an eight-foot fan which gives ample ventilation throughout the mine. Drainage is fair. The second opening meets the requirements of the law. With the present equipment and a full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as Marytown Mine, No. 671 of the printed report.

J. C. RAWN, Gen. Mgr.

A. D. SHORT, Mine Boss.

WM. McFARLAND, Supt.

JEWETT, BIGELOW & BROOKS COLLIERIES CO.

Series No. 1122. *Hensley No. 2 Mine*.—Situated on Tug river at Clarren Station, thirteen miles west of Welch. The ventilation produced by

a ten-foot fan was found to be very good. The drainage was fair. Refuge holes and all other requirements were fully observed. With the present equipment and a full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as J. B. B. No. 1 Mine, No. 675 of the printed report.

D. M. WOODY, Supt.

K. L. BROGAN, Mine Boss.

Series No. 1121. *J. B. B. No. 3 Mine.*—This mine is located on Tug river at Clarren Station. It is ventilated by a fan and gives ample air all through the mine. Drainage and oil were good. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 300 tons per day.

This mine was reported last year as J. B. B. No. 3 Mine, No. 677 of the printed report.

D. M. WOODY, Supt.

J. C. SHORT, Mine Boss.

Series No. 1125. *Flournoy No. 2 Mine.*—This mine is located on Tug river between Twin Branch and Marytown, is a drift opening and is ventilated by a fan. Ventilation was found very good. Roof is good. No refuge holes. Blankets and stretchers kept on hand and all other requirements fairly well observed. Action was taken against mine foreman charged with having no refuge holes. Case was disposed of same as rest of officials of this company.

This mine was reported last year as J. B. B. No. 2 Mine, No. 676 of the printed report.

D. M. WOODY, Supt.

M. J. BROGAN, Mine Boss.

Series No. 1126. *J. B. B. Nos. 2 and 4 Mines.*—These are new mines, being in operation a little over a year. They are ventilated by fans. Breakthroughs were driven as were required by law. Ventilation was found good. Roof good. Second opening meets the requirements of the law. Drainage good. No stretchers at mines on the day of inspection. No safety lamps; no lights being carried on motor trips. Action was taken against the foreman and was disposed of the same as the officials of the other mines of this company.

No 4 Mine was reported last year as No. 4 Mine, No. 678 of the printed report.

D. M. WOODY, Supt.

P. C. WOODY, Mine Boss.

TWIN BRANCH MINING CO.

Series No. 1123. *Twin Branch Mine.*—Is located at Twin Branch, which is ten miles west of Welch and on N. & W. R. R. This is a drift opening operating No. 7 seam and ventilated by a fan, which was found to be very good. Stoppings were only fair. No refuge holes, no blankets, no safety lamps, no lights on motor trips and mixed oil was being used all of which was in violation of the mine laws. It was necessary to take action against the mine foreman to force a compliance of the mine laws. Complaint was made before Justice Greenawalt of Welch on the

9th day of May, the same being dismissed on the 16th of May on account of the inspector not appearing against him. The inspector had not been advised when the case would be tried and did not get a chance to appear. A second complaint was then entered, but the Justice construed the law in such a way that the defendant was found not guilty.

This mine was reported last year as Twin Branch Mine, No. 674 of the printed report.

D. M. WOODY, Supt.

W. A. LILLY, Mine Boss.

MAHER COAL & COKE CO.

Series No. 1124. *Maher No. 1 Mine.*—This mine is located on Tug river near Twin Branch Station, which is ten miles west of Welch. It is ventilated by a fan. Ventilation was found very good. Stoppings bad. Drainage only fair. No refuge holes, and all other requirements being violated. Action was taken against the foreman on the same date as that of Twin Branch foreman for violation of the requirements. Was tried before Justice J. R. Greenawalt; no conviction.

This mine was reported last year as Maher No. 1 Mine, No. 672 of the printed report.

D. M. WOODY, Supt.

J. B. LACY, Mine Boss.

Series No. 1128. *J. B. B. No. 5 Mine.*—Which is a drift, and ventilated by a fan. Ventilation was not conducted to face of working places. Breakthroughs not driven as required by law. No refuge holes. No safety lamps. No blankets and stretchers. Mine doors and stoppings in fair condition. The second opening meets the requirements of the law. The powder and oil law was being well observed.

This mine was reported last year as J. B. B. No. 5, No. 679 of the printed report.

D. M. WOODY, Supt.

P. C. WOODY, Mine Boss.

SUPERIOR POCAHONTAS COAL CO.

Series No. 1129. *Superior No. 2 Mine.*—Or a continuation of the Davy Crockett Mine. This mine is located on Big Davy run on a short branch of the N. & W. R. R. It is ventilated by a furnace and fan. The ventilation was good in all places inspected. Electric machines are used in part of this mine to undercut the coal. Drainage and roof were found good. The law relative to oil and powder was well observed as well as all other requirements. This mine with a full force of men and the present equipment, is capable of producing 200 tons per day.

This mine was reported last year as No. 2 Mine, No. 682 of the printed report.

F. B. COOK, Supt.

H. L. HUBBERT, Mine Boss.

Series No. 1131. *No. 3 Mine.*—This is a drift opening operating the sewell seam. The ventilation which is produced by a fan is very good. Breakthroughs, stoppings, doors and brattices were fair. The second opening meets the requirements of the law. With a full force of men

and the present equipment this mine is capable of producing 100 tons per day.

This mine was reported last year as No. 3 Mine, No. 683 of the printed report.

F. B. COOK, Supt.

LAFE McGUIRE, Mine Boss.

Series No. 1130. *No. 4 or Cletus Mine.*—Is located on Tug river at Davy, about one-half mile from Davy Station. It is a drift opening operating the Davy No. 7 seam of coal. This mine has not been in operation for the last year.

This mine was reported last year as No. 4 Mine, No. 684 of the printed report.

F. B. COOK, Supt.

Helena Mine.—This mine is located on the Big Davy branch on a short branch of the N. & W. R. R. This mine has not worked for the last three years. No inspection was made.

This mine was not reported last year.

F. B. COOK, Supt.

Series No. 1132. *Blackstone No. 1 Mine.*—This mine is located at Davy on the N. & W. R. R. It is a drift opening operating the Sewell seam. Ventilation is produced by a fan which furnishes sufficient air for the proper ventilation of the mine. Developments on the double entry system. Drainage good. Breakthroughs and stoppings fair. Powder and oil law well observed. The second opening meets the requirements of the law. This mine with a full force of men and the present equipment is capable of producing 1000 tons per day.

This mine was reported last year as No. 1 Mine, No. 681 of the printed report.

F. B. COOK, Supt.

C. L. PERKINS, Mine Boss.

Series No. 1134. *Davy Crockett No. 1 Mine.*—This mine is located on main line of the N. & W. R. R., seven miles west of Welch on Tug river. It is a drift opening operating the No. 6 Poca seam, but is just about worked out. Ventilation is by natural causes and is sufficient for the number of persons employed.

This mine was not reported last year.

F. B. COOK, Supt.

JOS. PERRING, Mine Boss.

PANDO COAL CO.

Series No. 1135-1136.—*Pando Nos. 1 and 2 Mines.*—Are located on Tug river, on main line of N. & W. R. R. They are drift openings working what was reported No. 6 and No. 7 Poca seams. Ventilated by a furnace. Ventilation was very bad as no attention was given to the driving of breakthroughs. The inspector had to stop a number of places on account of bad ventilation and men working beyond the distance required by law of breakthroughs. Roof was good and well timbered. Drainage good. The general manager promised me that he would install fans at once and would meet all other requirements. With the present development

and a full force of men these mines are capable of producing 300 tons per day.

No. 1 Mine was reported last year as Pando Mine, No. 685 of the printed report. No. 2 is a new opening.

F. M. DAUGHERTY, Supt.

U. S. YOST, Mine Boss.

ATLAS POCAHONTAS COAL CO.

Series No. 1138. *Antler No. 3 Mine*.—This mine is located at Antler, three and a half miles west of Welch, and on the main branch of the N. & W. R. R. The ventilation of this mine is produced by an eight-foot fan, which gave abundance of air at time of inspection. Electric machines are used in part of this mine to undercut the coal. Break-throughs and stoppings fair. No dangerous practices observed. The second opening meets the requirements of the law. This mine with a full force of men and the present equipment is capable of producing 175 tons per day.

This mine was reported last year as Antler Mine, No. 686 of the printed report.

The title of this company was last year reported as Antler Coal & Coke Company, but has since been changed to Atlas Pocahontas Coal Company.

M. HALL, Supt. and Mine Boss.

OREGON COAL CO.

Series No. 1139. *Imo Mine*.—This mine is located on Maud creek on the main line of the N. & W. R. R., about one mile west of Welch. It is a drift, operating the Welch seam. Developments are on the double entry system, ventilated by a twelve-foot fan which gives good results. The drainage was very bad. Breakthroughs and stoppings fair. Doors and brattice bad. The second opening meets the requirements of the law. With a full force of men and the present development and equipment this mine is capable of producing 300 tons per day.

This mine was reported last year as Imo Mine, No. 703 of the printed report.

E. L. NUNN, Supt.

J. D. KIRBY, Mine Boss.

Series No. 1140. *McClaren Mine*.—Is located on Maud creek on the main line of the N. & W. R. R. This is a drift opening operating what is called the Welch seam. The ventilation which is produced by an eight-foot fan was found very good throughout the mine. The drainage was found to be bad in some portions of the mine. Excess quantities of powder were being taken into the mine. The second opening meets the requirements of the law. This mine with the present development and a full force of men is capable of producing 300 tons per day.

This mine was reported last year as McClaren Mine, No. 704 of the printed report.

E. L. NUNN, Supt.

JOE BROWN, Mine Boss.

SLICK ROCK COAL CO.

Series No. 1141. *Slick Rock Mine*.—This mine is located on Tug river about one-half mile west of the town of Welch on the main line of the N. & W. R. R., and operates the Welch seam of coal. It is ventilated by a furnace which only gives a fair amount of air. The drainage is only fair. Breakthroughs, stoppings, doors and brattice only fair. The oil used meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as Slick Rock Mine, No. 702 of the printed report.

GEO. S. SMITH, Supt.

FRED D. KNIGHT, Mine Boss.

JED COAL & COKE CO.

Series No. 1142. *Jed Mine*.—This is a shaft mine and is located on Tug river on a branch of the N. & W. R. R., and is two miles from Welch. The ventilation which is produced by a large fan was found very good in most places. Brattice cloth is used to conduct the air to the face of most all places, which is deemed necessary to dilute the marsh gas which is given off from the coal in dangerous quantities. Open lights are being used by order of the court of McDowell county against the recommendations of the mining department. The roof in this mine is slate and is very bad; when this mine was first inspected the loose hanging slate was badly neglected. Drainage was only fair. All other requirements of the law were observed with one or two exceptions. The second opening meets the requirements of the law. With the present development and equipment and a full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as the Jed Mine, No. 720 of the printed report.

WM. LECKIE, Gen. Mgr.

FRED HENDRICK, Mine Boss.

FRANK YOST, Fire Boss.

UNITED STATES COAL & COKE CO.

Series No. 1143. *No. 1 Mine*.—This is a shaft mine located five miles from Welch on a branch line of the N. & W. R. R., and operates the No. 3 Pocahontas seam. No. 4 seam is also opened up in this mine but at present is not working. The ventilation which is produced by a fan was found good at time of inspection. Drainage good. Marsh gas was found in several sections of this mine. Some sections of this mine are also dry and dusty. The coal in some parts of this mine is undercut by electric machines. Electric motors are used in this mine. The oil used for illuminating purposes was bad. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 600 tons per day.

This mine was reported last year as No. 1 Mine, No. 687 of the printed report.

F. E. KING, Supt.

J. LINGTON, Mine Boss.

A. L. NAPIER, Fire Boss.

Series No. 1144. *No. 2 Mine.*—This mine is located at Kimble, one mile west of Gary on a branch line of the N. & W. R. R. It is a drift opening operating the No. 4 seam. The ventilation, produced by a twenty-foot fan, was good with two exceptions. Drainage and roof good. The oil used for illuminating purposes was bad. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 1200 tons per day.

This mine was reported last year as No. 2 Mine, No. 688 of the printed report.

E. M. ESSER, Supt.

M. CONNELLY, Mine Boss.

Series No. 1145. *No. 3 Mine.*—This mine is located at Gary on a branch line of the N. & W. R. R., seven miles from Welch. It is a drift opening operating the No. 4 Pocahontas seam. Ventilation was found good with one or two exceptions. This mine was found to be very dusty. The superintendent was given one day to water the dust or steps would be taken to close the mine. Gas is liberated in this mine. The oil used was bad. The general safety of this mine was only fair. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 1000 tons per day.

This mine was reported last year as No. 3 Mine, No. 689 of the printed report.

WM. WILLSON, Supt.

M. P. BRADY, Mine Boss.

J. M. JAMES, Fire Boss.

Series No. 1146. *No. 4 Mine.*—This mine is located at Jared ten miles from Welch on a branch line of the N. & W. R. R. This is a drift opening and is ventilated by a fan. The ventilation was found to be very good. Drainage and roof good. The oil used was very good. The second opening meets the requirements of the law. In some sections of this mine the coal is undercut by electric machines.

This mine was reported last year as No. 4 Mine, No. 690 of the printed report.

J. L. KERNS, Supt.

LEE SEXTON, Mine Boss.

Series No. 1147. *No. 5 Mine.*—This is a drift opening located at Jared. The ventilation which is produced by a fan was considered good at the time of inspection. Drainage fair. The oil and powder law was well observed. The second opening meets the requirements of the law. This mine with a full force of men and the present development is capable of producing 150 tons per day.

This mine was reported last year as No. 5 Mine, No. 691 of the printed report.

JOHN KERNS, Supt.

J. L. MULLEN, Mine Boss.

Series No. 1148. *No. 6 Mine.*—This is a drift opening operating the No. 4 Pocahontas seam. It is ventilated by a twenty-foot fan. Ventilation was found good with few exceptions. Drainage and roof good. The oil used was of a mixed quality. The second opening meets the require-

ments of the law. This mine with a full force of men and the present equipment is capable of producing 1000 tons per day.

This mine was reported last year as No. 6 Mine, No. 692 of the printed report.

M. H. LISTON, Supt.

JNO. MAURICE, Mine Boss.

Series No. 1149. *No. 7 Mine.*—This mine is located at Elbert, about two miles from Gary on the branch line of the N. & W. R. R. This mine is ventilated by two fans and they give good results. It goes through one mountain and penetrates another. It is operated in both mountains. The oil law was well observed with few exceptions. Drainage fair. The second opening meets the requirements of the law. With a full force of men and the present development this mine is capable of producing 700 tons per day.

This mine was reported last year as No. 9 Mine, No. 695 of the printed report.

F. A. KERNS, Supt.

A. G. HAHN, Mine Boss.

Series No. 1150. *No. 8 Mine.*—This mine is situated at Sand Lick, and consists of two sections, A and C, which are two separate openings, but the coal is taken over one tippie. These mines operate the No. 4 seam. Ventilation was good except in a few places which were working in advance of the distance required by law. Drainage only fair. Roof bad, but well looked after. Breakthroughs, stoppings, doors and brattices only fair. The oil was of mixed quality.

This mine was reported last year as No. 8 Mine, No. 694 of the printed report.

J. H. LUBKEN, Supt.

K. C. BRENT AND

THOS. McFARLAND, Mine Bosses.

Series No. 1151. *No. 9 Mine.*—This mine is located at Elbert, about two miles from Gary on a branch line of the N. & W. R. R. This mine is ventilated by natural sources, which gives very good ventilation. Breakthroughs, stoppings, doors and brattices only fair. The oil used was of a bad quality. The second opening meets the requirements of the law. The operating company expects to make this mine one of its largest operations. It is equipped with all the latest machinery of modern type. They are now erecting a large steel tippie. This mine after some development expects to produce 4000 tons per day.

This mine was reported last year as No. 9 Mine, No. 695 of the printed report, as just being developed.

J. H. LUBKIN, Supt.

M. McFARLAND, Mine Boss.

Series No. 1152. *No. 10 Mine.*—This mine is located at Gary, seven miles from Welch on a branch line of the N. & W. R. R. It is a drift opening operating the No. 3 Pocahontas seam of coal. The ventilation is produced by a sixteen-foot fan, which gives sufficient amount of air, but it is not distributed to the working faces. This seam is very irregular and faulty. Oil and powder law well observed. The second opening meets the requirements of the law.

This mine was reported last year as No. 10 Mine, No. 696 of the printed report, as just being developed.

I. H. DUNN, Supt.

J. V. RHODES, Mine Boss.

Series No. 1153. *No. 11 Mine.*—This operates the Nos. 3 and 4 seams and is located at Jared, ten miles from Welch, on a branch of the N. & W. R. R. It has a fan in both seams which give good ventilation in all places with one exception. Drainage and roof good. All oil examined was considered good. The coal is being undercut with electric machines. With a full force of men and the present development this mine is capable of producing 125 tons per day.

This mine was reported last year as No. 11 Mine, No. 697 of the printed report, as just being developed.

I. H. DUNN, Supt.

W. M. PACK, Mine Boss.

BLACK WOLF COAL & COKE CO.

Series No. 1155. *No. 1 Mine.*—This mine is located on Keyzers branch about one mile below Pageton on the N. & W. R. R. It is a drift opening operating the No. 4 seam of coal. No. 3 seam is opened up but they are not working it at the present time. The ventilation was found good throughout the mine. Roof and timbering well looked after. No dangerous practices observed. The powder and oil law was well observed. The second opening meets the requirements of the law. With a full force of men and the present development this mine is capable of producing 200 tons per day.

This mine was reported last year as No. 4, Mine No. 708 of the printed report.

E. C. BERKELEY, Supt.

ED. BUCHANAN, Mine Boss.

PAGE COAL & COKE CO.

Series No. 1157. *No. 1 Mine.*—This mine is located on Belchers branch of Tug river at Pageton on the N. & W. R. R. This is a drift opening operating the No. 3 seam of coal. The ventilation was found good throughout the mine as well as all other sanitary conditions. In some sections of this mine the coal is being undercut by air machines. There were some few men in this mine shooting coal from the solid. The timbering was well looked after. The second opening meets the requirements of the law. With the present development and a full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as No. 1 Mine, No. 705 of the printed report.

J. R. BAILY, Supt.

J. A. GALLIMORE, Mine Boss.

Series No. 1158. *No. 2 Mine.*—This is a drift opening operating the No. 3 Pocahontas seam. The ventilation produced by a sixteen-foot fan was found very good throughout the mine. Breakthroughs, stoppings, doors and brattices were well looked after. No dangerous practices observed. The oil and powder law was well observed. The second opening meets the requirements of the law. A map of this mine extended to

July 1, 1908, has been furnished this office. With the present development and a full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as No. 2 Mine, No. 706 of the printed report.

J. R. BAILY, Supt.

THEO. HANNA, Mine Boss.

Series No. 1159. *No. 3 Mine.*—This mine is located on Tug river on the main line of the N. & W. R. R. The ventilation which is produced by a six-foot fan was found very good throughout the mine. Drainage good. Breakthroughs, stoppings, doors and brattices in excellent shape. The powder and oil law well observed. The second opening meets the requirements of the law. A map of this mine extended to July 1, 1908, has been furnished this office. With a full force of men and the present equipment this mine is capable of producing 250 tons per day.

This mine was reported last year as No. 3 Mine, No. 707 of the printed report, as just being developed.

J. R. BAILY, Supt.

J. A. GALLIMORE, Mine Boss.

WELCH COAL & COKE CO.

Series No. 1160. *Welch Mine.*—This is a drift opening located one-half mile west of Welch on the main line of the N. & W. R. R. The mine is ventilated by a twelve-foot fan which gives good results. The drainage was only fair. No dangerous practices observed. The oil and powder law was being well observed. The second opening meets the requirements of the law. All other requirements of the law were being well observed. This mine with the present development and equipment, and a full force of men is capable of producing 100 tons per day.

This mine was reported last year as the Welch Mine, No. 700 of the printed report.

F. J. BAXTER, Supt.

H. O. BOLAND, Mine Boss.

HEMPHILL COLLIERIES CO.

Series No. 1161. *Hemphill Mine.*—This mine is located at Hemphill on the main line of the N. & W. R. R., one mile from Welch. It is a drift opening operating the Welch seam of coal. The ventilation produced by a sixteen-foot fan gives excellent results. The drainage was only fair. The oil and powder law well observed. All other requirements were being carried out. In some parts of this mine the coal is being undercut by air machines. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 125 tons per day.

This mine was reported last year as the Hemphill Mine, No. 701 of the printed report.

F. J. BAXTER, Supt.

M. A. HURLEY, Mine Boss.

THE MIDDLE STATES COAL & COKE CO.

Series No. 1162. *No. 11 Mine.*—This is a shaft mine, and is located

at Huger, and is on the main line of the N. & W. R. R. It is 198 feet in depth. The ventilation produced by a fan was found to be very good throughout the mine. Some gas is liberated in this mine but not enough to recommend the use of safety lamps at this writing. Stoppings are being built of concrete. The roof is very hard sandstone, and requires little or no timber. The drainage is very good. The coal is mostly cut with chain machines, and hauled with electric motors. No mules are used in this mine. I had to threaten to prosecute this company before I could get them to put the necessary safety appliances on the cages that are used to hoist and lower men out and into mine. All other State laws are fairly well observed. At the present time the mine is producing about 500 tons which is its full capacity with the present development.

This mine was reported last year as No. 11 Mine, No. 709 of the printed report.

H. E. CAMERON, Supt.

FRANK BLACKBURN, Mine Boss.

J. H. WILLIAMS, Fire Boss.

DIXON-POCAHONTAS FUEL CO.

Series No. 1163. *North Side Mine*.—This mine is located at Olmsted three miles east of Welch on the main line of the N. & W. R. R. This is a shaft opening operating the No. 4 Pocahontas seam of coal. The ventilation produced by a small fan was very bad at time of inspection. Gas was found in this mine, but not in sufficient quantities to necessitate the use of safety lamps. Drainage was found good. Breakthroughs and stoppings bad. Machinery and appliances only fair. The general safety of this mine was only fair. The coal is being undercut with the use of electric machines. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as North Side Mine, No. 719 of the printed report.

J. P. DAVIS, Supt.

MIKE LILLY, Mine Boss.

Series No. 1164. *South Side Mine*.—This is a shaft opening located at Huger, three miles east of Welch on the main line of the N. & W. R. R. This is a new mine, being in operation for about five months. The ventilation was found good throughout the mine. Drainage and roof good. Doors and brattice only fair. The ingress and egress was bad owing to the condition of the cage. The coal is cut with electric machines. A map of this mine extended to June 1, 1908, has been sent to this office. With the present equipment and a full force of men this mine is capable of producing 100 tons per day.

This mine was not reported last year.

J. P. DAVIS, Supt.

M. M. LILLY, Mine Boss.

CIRRUS COAL & COKE CO.

Series No. 1165. *Cirrus Mine*.—This mine is located at Big Four on

Elkhorn on the main line of the N. & W. R. R. This is a slope opening operating the No. 3 Pocahontas seam of coal. It is ventilated by two four-foot fans. They were giving good results at the time of inspection. The drainage was bad in first right entry. At the time of first inspection gas was found. The oil and powder law was being observed. The second opening meets the requirements of the law. With a full force of men and the present equipment this mine is capable of producing 250 tons per day.

This mine was reported last year as Cirrus Mine, No. 669 of the printed report.

Note:—The above company is setting up machinery preparatory to sinking a new shaft mine one mile west of Cirrus Mine to develop No. 3 and No. 4 Pocahontas seams. They expect to be shipping coal in the early spring.

THOS. A. SHEWEY, Supt.

ED. FLANAGAN, Mine Boss.

JNO. MORAN, Fire Boss.

VIRGINIA FUEL CO.

Series No. 1166. *Virginia Mine*.—This is a slope opening located at Big Four on the main line of the N. & W. R. R., five miles east of Welch. This is a new mine and at present is ventilated by a fan which gives good ventilation throughout the mine. The drainage and roof were found good. Doors and brattices only fair. Ingress and egress was bad on account of furnace being in second opening. The oil and powder law was being observed. With a full force of men and the present development this mine is capable of producing 25 tons per day.

This mine was not reported last year.

J. A. STATON, Supt.

S. W. FOY, Mine Boss.

THE KING COAL CO.

Series No. 1167. *King Mine*.—This is a slope opening operating the No. 3 Pocahontas seam of coal. The ventilation is produced by a large fan. It was found good in all places inspected. The drainage and roof good. A large amount of marsh gas was found being liberated from the coal in this mine and the inspector in his judgment considered it dangerous to continue the operation of the mine with open lights, and therefore recommended that locked safety lamps be used exclusively on and after a reasonable time which was given to the operator to secure the lamps. The officials of the company had an adverse opinion as to the amount of gas that was being generated and they took exception to the district inspector's ruling and appealed their case to the chief of department of mines, who together with several other district inspectors made an examination of the mine and found the same to be very gaseous therefore upholding the district mine inspector in his action relative to requiring the mine to be worked with safety lamps. After getting the opinion of Mr. Paul and his assistants the general management concluded that it would be best to adopt the use of safety lamps, which he did at once. This mine was found to be very dry and dusty and brattice

cloth being used in all places to conduct the air to the working faces. All other requirements were being fairly well observed. This mine with a full force of men and the present equipment is capable of producing 900 tons per day.

This mine was reported last year as King Mine, No. 710 of the printed report.

J. W. MALSBY, Supt.

W. H. SANFORD, Mine Boss.

S. J. KIMBELY, Fire Boss.

THE TIDEWATER COAL & COKE CO.

Series No. 1168. *Tidewater Mine*.—This is a drift opening located on Elkhorn river at Vivian on the main line of the N. & W. R. R. The ventilation is produced by an eighteen, sixteen and seven-foot fans. The ventilation was found good throughout the mine with few exceptions. The roof is bad but well looked after. Gas was found on top of falls in the pillar work. The inspector withdrew all the men on day of inspection from that section of the mine and gave orders for the standing gas to be removed and the men that were put to work to remove the gas and use nothing but safety lamps and no one to be allowed on the return airway and that a current of air be diverted and maintained through the old and abandoned workings. And that safety lamps be used in that section of the mine. I also found an excess number of men working in one air current. The company agreed to construct an overcast at once to meet the requirements of the law. The local manager of this mine is in my judgment very incompetent, having had but very little experience in mine work and the gases met with in coal mines. Prosecution was threatened before getting the laws fully complied with. This mine is capable of producing with a full force of men and the present development 1200 tons per day.

This mine was reported last year as Tidewater Mine, No. 651 of the printed report.

J. H. MALSBY, Supt

S. B. CAMPBELL AND

O. J. SMITH, Mine Bosses.

T. L. BOOTH,

F. WELL AND

GEO. DOYNER, Fire Bosses.

BOTTOM CREEK COAL & COKE CO.

Series No. 1169. *Bottom Creek Mine*.—This is a drift mine located at Vivian and is on the main line of the N. & W. R. R. The ventilation is produced by two fans. Ventilation was found very good at the face of all working places, but old workings were found to be neglected. Gas was found on the eighth entry on top of falls where the pillars had been extracted. It was necessary to place that section of the mine on safety lamps and also recommended that a separate current of air be diverted through all old workings, and over top of falls and the same to be maintained and that no one be allowed on the return current when removing the gas from off top of the falls. The mine was found to be

very dusty in a number of places. Men were put to work to remove it before the inspector left the mine. The general manager said that the dust had been neglected owing to a very bad squeeze that was working on the mine and their attention was all on the work of trying to check it. The powder law was not observed. No violations of the oil law were found and all other requirements were being well observed. With a full force of men and the present development this mine can produce 1000 tons per day.

This mine was reported last year as Bottom Creek Mine, No. 652 of the printed report.

G. S. PATERSON, Gen. Mgr.

ARTHUR STURM, Mine Boss.

PEERLESS COAL & COKE CO.

Series No. 1170. *Peerless Mine*.—This mine is located at Vivian on the Elkhorn river on the main line of the N. & W. R. R. It is a drift opening operating the No. 3 Pocahontas seam of coal. The ventilation is produced by a twelve-foot fan which only gives fair ventilation throughout the mine. Drainage was good. Some coal dust was found on the main haulage. The roof is very bad in this mine but was well taken care of. Locomotives are used in this mine but the management has it under consideration to install an electric plant. The second opening meets the requirements of the law. A map extended to June the 25th, 1908, has been filed in this office. With a full force of men and the present equipment this mine is capable of producing 700 tons per day.

This mine was reported last year as Peerless Mine, No. 653 of the printed report.

R. G. LUTHER, Supt.

THOS. WILDON, Mine Boss.

A. J. HAM, Fire Boss.

EMPIRE COAL & COKE CO.

Series No. 1171. *Empire Mine*.—This mine is located at Landgraff, on the main line of the N. & W. R. R., and operating No. 3 seam of coal. The ventilation is produced by a fan which gives sufficient quantity if the same had been found properly conducted to the face of the working places. Breakthroughs were not being driven as required by law. Brattice cloth was being used for the purpose of conducting the air from the last cross cut that was driven through to the face of the working place, but owing to the imperfect manner in which it was constructed it did not do what it was intended to do. In my mind this was a very dangerous practice, as it appeared to me that it was a mere blind to evade the law in the driving of breakthroughs. I also found places turned inside of the last return air current, which was in violation of the law. As to general safety, on the day of my first inspection I found it to be only fair on account of the bad condition of the ventilation, and gas was being liberated from the seam, and some places being dusty. Recommendations were made to this company asking them to put their mine in condition to meet the requirements of the law or I would be compelled to resort to legal proceedings. The haulways are in fair con-

dition. The oil that was being used for illuminating purposes was of a fair quality. The second opening meets the requirements. Rules are posted, and safety lamps on hand. This mine if properly ventilated, and a full force of men and with the present equipment could produce at least 1200 tons per day.

This mine was reported last year as Empire Mine, No. 654 of the printed report.

WILLIAM D. ORD, Supt.

THOS. R. BARRETT, Mine Boss.
S. CAMPBELL, Fire Boss.

SHAWNEE COAL & COKE CO.

Series No. 1172. *Shawnee Mine*.—This mine is located at Eckman on the Elkhorn river. It is a drift mine operating the No. 3 Pocahontas seam of coal. The ventilation produced by a twelve-foot fan gives good results. The drainage and roof were found good. A small amount of gas was found in the cracks of coal. No dangerous practices observed. The powder and oil law well observed. Electric haulage is used in this mine. The second opening meets the requirements of the law. With a full force of men and the present development this mine is capable of producing 500 tons per day.

A map extended to July, 1908, has been furnished this office.

This mine was reported last year as Shawnee Mine, No. 655 of the printed report.

MORRIS WATT, Supt.

M. A. SEXTON, Mine Boss.
JAMES BROWN, Fire Boss.

EUREKA COAL & COKE CO.

Series No. 1173. *Eureka Mine*.—This mine is located on Dans branch of Elkhorn river one-half mile from Eckman Station. This is a drift opening operating the No. 3 Pocahontas seam of coal. The mine is ventilated by a large fan. The ventilation was found to be excellent all through this mine. Drainage good. The roof is very bad but proper attention is given it. The powder and oil law well observed. Steam locomotives are used at present, but an electric plant is being erected with the view of installing an electric haulage in this mine. All other provisions of the mining laws were carefully observed. This mine with the present equipment and a full force of men is capable of producing 500 tons per day.

This mine was reported last year as Eureka Mine, No. 656 of the printed report.

L. E. TIERNEY, Gen. Mgr.

C. C. HUGHES, Mine Boss.
JNO. COLES, Fire Boss.

PULASKI IRON CO.

Series No. 1174. *No. 1 Mine*.—This mine is located at Eckman on Elkhorn river on the main line of the N. & W. R. R. This is a drift mine operating the No. 3 Pocahontas seam of coal. The ventilation was good throughout the mine. Drainage was bad. The roof also bad, but

well looked after. All other provisions of the mine laws were being carefully observed. This is an old mine and will be worked out about the last of the year. A map of this mine extended to April 1, 1908, has been filed in this office.

This mine was reported last year as Pulaski Mine, No. 657 of the printed report.

PERCIVAL JOHNSON, Supt.

JAMES MCGINNIS, Mine Boss.

Series No. 1175. *No. 2 Mine.*—This mine is located on Elkhorn river about one-fourth mile from Eckman Station. It is a drift opening operating the No. 3 Pocahontas seam of coal. The ventilation produced by a sixteen-foot fan was found good in all places of this mine. The drainage and roof very good. The powder and oil law well observed. Rules were posted. Safety lamp and stretcher were found on hand. This mine with a full force of men and the present equipment is capable of producing 1200 tons per day.

This mine was not reported last year.

PERCIVAL JOHNSON, Supt.

J. M. SHANK, Mine Boss.

KEYSTONE COAL & COKE CO.

Series No. 1176-1177. *Nos. 1 and 2 Mines.*—These mines are located on the Elkhorn river at Keystone on the main line of the N. & W. R. R. These mines are ventilated by fans. The ventilation was only fair at the time of inspection. Dust and gas were found in various places and mine foreman was inclined to be contrary as to watering the dust. Drainage and roof only fair. The general safety of both mines only fair on account of allowing mines to get dusty. The second opening meets the requirements of the law in both mines. A map of these mines extended to July 1, 1908, has been furnished this office. These mines with the present equipment and a full force of men could produce 200 tons each per day.

These mines were reported last year as Keystone Nos. 1 and 2 Mines, Nos. 658 and 659 of the printed report.

J. K. F. STEELE, Gen. Mgr.

No. 1—GEO. B. SMITH, Mine Boss.

GEO. COOPER, Fire Boss.

No. 2—JAS. SMITH, Mine Boss.

LYNCHBURG COAL & COKE CO.

Series No. 1178. *Lynchburg Mine.*—This mine is located on Elkhorn river at Kyle on the main line of the N. & W. R. R. This is a drift opening operating the No. 3 Pocahontas seam of coal. The ventilation produced by a large fan was found excellent in all parts of the mine. The drainage and roof are good. Some little gas was found in a bore hole on tenth entry. Breakthroughs, stoppings, doors and brattices good. The powder and oil law well observed. The second opening meets the requirements of the law. A map extended to July 1, 1908, has been furnished this office. This mine with the present equipment and development and a full force of men is capable of producing 1500 tons per day.

This mine was reported last year as Lynchburg Mine, No. 660 of the printed report.

L. E. TIERNEY, Gen. Mgr.

THOS. W. FITZSIMMONS, Mine Boss.

POWHATAN COAL & COKE CO.

Series No. 1179. *Powhatan Mine*.—This mine is located at Powhatan Station on the Elkhorn river. It is a drift opening operating the No. 3 Pocahontas seam of coal. This mine is ventilated by a large fan which gives good results. The drainage and roof were found good in this mine. The oil law was being well observed with one exception. The powder was being carried into the mine in five pound cans. The second opening meets the requirements of the law. A map extended to July 1, 1908, has been furnished this office. This mine with a full force of men and the present equipment and development is capable of producing 1000 tons of coal per day.

This mine was reported last year as Powhatan Mine, No. 661 of the printed report.

L. E. TIERNEY, Gen. Mgr.

JNO. LYNCH, Mine Boss.

JNO. LYNCH, JR., Fire Boss

UPLAND COAL & COKE CO.

Series No. 1180. *No. 1 Mine*.—This mine is located on Elkhorn river at Elkhorn on the main line of the N. & W. R. R. This is a drift opening operating the No. 3 Pocahontas seam of coal. The mine is ventilated by a twenty-foot fan. The ventilation was found good in all places inspected. The drainage and roof well looked after. The oil law was well observed. Some few men were taking powder in mine in excess quantities. The general safety of this mine I consider good. The second opening meets the requirements of the law. A map extended to July 1, 1908, has been filed in this office. With a full force of men and the present equipment this mine is capable of producing 1000 tons per day.

This mine was reported last year as No. 1 Mine, No. 662 of the printed report.

J. J. LINCOLN, Gen. Mgr.

J. A. GRANTHAM, Mine Boss.

Upland No. 2 Mine is worked out.

HOUSTON COAL & COKE CO.

Series No. 1181. *No. 1 Mine*.—This mine is located at Elkhorn on the main line of the N. & W. R. R. The mine is a drift opening operating the No. 3 Pocahontas seam of coal. It is ventilated by a large fan which produces good results. The drainage and roof were found very good in this mine. The oil law was being complied with, with two exceptions. Powder was carried in the mine in five pound cans. No dangerous practices observed. The second opening meets the requirements of the law. All other provisions of the mine laws were fully observed. This mine with a full force of men and the present equipment and development is capable of producing 1000 tons of coal per day.

This mine was reported last year as No. 1 Mine, No. 664 of the printed report.

BENJ. LEWIS, Supt.

CHRIS. KERSHAW, Mine Boss.

Series No. 1182. *No. 2 Mine.*—This mine is located some little distance from Elkhorn Station on Elkhorn river. This is a drift mine operating the No. 3 Pocahontas seam of coal. The ventilation is produced by a fan at No. 1 Mine, this mine serving as an intake for No. 1 Mine. The ventilation was found to be very good in all places inspected. The roof is slate and is very bad, but all precaution is taken to keep it so as it will be safe. Some few men were carrying powder into the mine in excess quantities. Other provisions of the mine law were being carefully observed. This mine with a full force of men and the present equipment is capable of producing 400 tons per day.

This mine was reported last year as No. 2 Mine, No. 665 of the printed report.

BENJ. LEWIS, Supt.

GEO. GUY, Mine Boss.

CROZER COAL & COKE CO.

Series No. 1183. *Crozer No. 1 Mine.*—This mine is located some little distance from Elkhorn Station on the main line of the N. & W. R. R. It is a drift opening operating the No. 3 Pocahontas seam of coal. This mine is ventilated by a twenty-foot fan. The ventilation was only fair in all places inspected. Coal dust was found in most places. Dioxide gas was also found. Breakthroughs were not being driven as required by law thus causing poor ventilation. The oil was of mixed quality. Excess quantities of powder were being taken into the mine. The second opening meets the requirements of the law. A map of this mine extended to July 1, 1908, has been furnished this office. With a full force of men and the present equipment and development this mine is capable of producing 1000 tons per day.

This mine was reported last year as No. 1 Mine, No. 666 of the printed report.

JAS. R. BAILY, Supt.

R. B. SMITH, Mine Boss.

Series No. 1184. *Crozer No. 2 Mine.*—This mine is a drift opening operating the No. 3 Pocahontas seam of coal. The ventilation is produced by a fifteen-foot fan which gives good results. The drainage was found good. Some coal dust was found in various places. Roof and timbering good. The oil used for illuminating purposes was found good. The second opening meets the requirements of the law. A map extended to July 1, 1908, has been filed in this office. With the present equipment and a full force of men this mine is capable of producing 450 tons per day.

This mine was reported last year as No. 2 Mine, No. 667 of the printed report.

JAS. R. BAILY, Supt.

JAS. R. BAILY, Mine Boss.

TURKEY GAP COAL & COKE CO.

Series No. 1185. *Turkey Gap Mine*.—This mine is located at Ennis on Elkhorn river on the main line of the N. & W. R. R. It is a drift opening operating the No. 3 Pocahontas seam of coal. The mine is ventilated by a sixteen-foot fan which gives fairly good results. The drainage and roof good. As to gas, a mixture of carbon monoxide and carbon dioxide was found on the entry, given off from the locomotive. Oil used for illuminating purposes I consider fair. The powder law was well observed. The second opening meets the requirements of the law. With a full force of men and the present equipment and development this mine is capable of producing 2000 tons per day. During the year in order to compel a compliance with Section 24 relative to the use of steam locomotives in mines, on request of the district inspector the chief of department of mines closed this mine until such time as they saw fit to operate without the use of steam locomotives inside the mines. The officials of the company appealed to the court with Judge I. C. Hurd on the bench, who declared Section 24 of the mine law unconstitutional and ordered the mine to be reopened.

This mine was reported last year as Turkey Gap Mine, No. 668 of the printed report.

ED. McQUAIL, Supt.

J. P. JOHNSON, Mine Boss.

WYOMING COUNTY.

WM. TOLIVER.

Series No. 1186. *Rich Knob Mine*.—This is a small drift opening having no way of ventilation. It has only one opening which is in 200 feet. This mine is located at Maben on the Deepwater R. R. The conditions of this mine in general were bad. Two men were killed in this mine from an explosion of a keg of black powder.

This mine was not reported last year.

WM. M. TOLIVER, Supt.

CHAS. SCOTT, Mine Boss.

TWELFTH DISTRICT.

GENERAL SUMMARY OF THE TWELFTH MINING DISTRICT FOR THE YEAR ENDING JUNE 30TH, 1908.

COUNTY.	No. of Openings. No. of Persons Killed.		EMPLOYES.									Production of	
			Inside					Outside.				Coal	Coke.
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Totals.	Laborers.	Coke Workers.	Totals	Sum Totals		
Lincoln	4	3	29	40	14	15	98	10	...	10	108	25,064	.....
Logan	23	3	26	813	155	355	1,319	328	...	328	1,677	1,215,039	.....
Mingo	49	9	412	717	291	536	1,956	390	...	390	2,346	1,714,807	.....
Wayne	1	...	45	.....	.....	12	57	4	...	4	61	35,756	.....
Totals	77	12	512	1,570	460	918	3,460	732	...	732	4,192	2,990,666	.....

OFFICE OF THE TWELFTH DISTRICT MINE INSPECTOR,

Williamson, W. Va., September 14, 1908.

HON. JAMES W. PAUL,

Chief of Department of Mines,

Charleston, W. Va.

DEAR SIR:—In compliance with Section 3 of the Mining Law, I herewith respectfully submit to you my first annual report as inspector of the mines in the Twelfth District for the year ending June 30, 1908.

During the year I made one hundred and fifty-nine regular inspections, and thirty-five special visits, mostly for the purpose of investigating fatal accidents and suggesting improvements to be made within the mines. This does not include the five weeks spent at the Monongah Nos. 6 and 8 Mines during the explosion.

Thirty-one persons were prosecuted by me during the year for violating the Mine Law. Many of these prosecutions were against mine foremen for not complying with Section 15 of the Mine Law in not taking and recording the air measurements of the mine. In all prosecutions that I forced to a final issue, I was successful in securing convictions.

I found very few cases, during the year, where full kegs of powder were brought into the mine or where kerosene oil was used for illuminating purposes. For this, I desire to give credit to the inspector who previously had charge of the counties comprising this district for the careful vigilance he exercised.

In this district there are quite a number of furnaces in use. Where

they have depended solely upon such a method of ventilation, I have recommended the installation of fans.

A furnace at its best is a very poor means of ventilation, but when the fire does not receive proper attention it becomes practically worthless. The law prohibits the use of a furnace in a gaseous mine, and it ought to be made so as to prohibit its use in all mines after they have been in operation a certain period of time, say six months. An insufficient supply of pure air in a mine, even where no fire damp is involved, does the workmen more permanent injury and shatters their health quicker than does the presence of fire damp in a well ventilated mine.

At the beginning of the year, there were eight mines shooting their coal from the solid in this district without complying in any way with the regulations governing solid shooting. Since then two have installed coal cutting machinery, one has adopted the exclusive use of safety powder, and the other five have employed shot firers to shoot the coal when all other employes are out of the mine.

In mines where coal is being shot from the solid with black powder, or any explosive that is not classed as a safe one, we compel them to employ shot firers under the authority vested in us in Section 23 of the Mine Law. In addition to this, shot firers should be employed in mines where gas is found in quantities indicative of danger, or in mines which are not naturally wet throughout, when a safety powder is not used.

In a dusty mine, where the miners are allowed to shoot indiscriminately, ever where the coal is undercut, with the black powder they now use, I think there is as much, or even more, danger than in a mine where gas is found in dangerous quantities and the management was allowed to work with open lights.

The ordinary mining man would consider it suicidal to work in close proximity to a dangerous body of explosive gas with an open light, which would only cause when ignited an explosion proportionate to the amount of gas present, providing the mine was wet; yet few realize the danger of working in a mine whose atmosphere is laden with fine particles of coal dust, each particle containing its own composition of gas, which will, when the intense heat from a blown out shot fired by a careless miner using black powder, is brought to bear upon it, cause an explosion whose range is generally the entire mine.

Let us hope that the U. S. Geological Survey will soon have its testing and experimenting plants in operation, so that we may become more thoroughly informed as to what explosives should, and should not be used and the conditions under which they should be fired.

Over eighty per cent of the fatal accidents that occurred in this district during the past year have been due to falls of slate, brought about principally by the miner neglecting to post or take down slate that he knew to be dangerous.

I do not think that improperly placed shots and excessive charges have had very much to do with these accidents. In every mine, though, it would be well to adopt a certain charge limit. Excessive charges of powder should be prohibited. Some miners will try to shoot a place

with only two holes, where at least three or four holes should be fired with the same amount of powder that is used for the two. When such excessive shooting is done it helps to produce accidents due to falls of slate along with increasing the danger of blown out shots.

In the last few months there have been four men killed on inclines in this district. The danger to men riding or traveling on these inclines is very great and yet we have nothing in the present laws to eliminate such a danger.

We should have a law prohibiting workmen from riding or traveling on gravity planes, and where such planes exceed a certain length and degree of pitch, compel the operator to provide a safe way to get the men to their work.

A separate system of hauling the men could be provided by having a rope of ample strength and using safety blocks or catches.

Where men would be compelled to walk to their work on such inclines, it would be a direct loss to both operators and men, for no useful work is accomplished by it and such an economic loss would affect all concerned.

There was one fatal accident in this district during the past year due to coming in contact with a high voltage electric current. Very seldom one hears of a fatal accident due to a power that does not exceed 250 volts. Those desiring to install high voltage generating machinery should be compelled to install it in such a way that its voltage could be reduced by means of transformers to 250 or less before it entered the mine.

For those now having a high voltage electric current in their mines, the legislature should pass some law to safeguard the men who have to work in such mines.

Section 14 of our mining law reads: "Mines in which explosive gas is generated in dangerous quantities from the coal or adjacent strata shall be worked exclusively by the use of locked safety lamps."

The term "generated in dangerous quantities" can be construed in many ways for different conditions and methods of ventilating.

Take a mine generating explosive gas, where the ventilation is the minimum, or a little over that required by law, the air current after circulating through the working places is so impregnated with explosive gas that it can be detected in the atmosphere by an ordinary safety lamp. The mine when ventilated in such a way and generating this amount of gas should be worked exclusively with locked safety lamps.

Now take a mine generating this same amount of explosive gas where the ventilation maintained is from nine to fifteen times the amount required by law, such ventilation we know is maintained by the most up-to-date operators in their mines. The air current is made to sweep the face of all working places and on its return we are unable to detect the smallest percentage of explosive gas in the atmosphere by means of the ordinary safety lamp.

The mine when ventilated in this way should not be compelled to work with locked safety lamps.

Where the pillars of a mine are being drawn and the overlying strata has subsided and over it there is known or thought to be a dangerous accumulation of explosive gas which might be brought down on the workmen's lights by another fall, then such part of the mine or any part ventilated by the same air current, should be worked with locked safety lamps, exclusively.

I think Section 14 of our present mine law should be amended to read as follows: "In mines where explosive gas is being generated from entries, airways, traveling ways, and other working places of a mine, in such quantities that it can be discerned in the air current by an ordinary safety lamp, or where it is known or thought to exist in dangerous quantities over strata that has subsided on account of the withdrawing of pillars, or is likely to be encountered in driving toward old workings, locked safety lamps shall be used exclusively."

It should be further amended: "In mines generating explosive gas, where safety lamps are being used exclusively, the use of electric wires and electric currents is prohibited unless some device is used to prevent the emission of sparks or flame into the atmosphere of the mine."

In the mines of my district where I find the law complied with in every respect, are to be found competent mine foremen. I am quite sure those men could not be made more competent by having to undergo an examination to test their competency.

Where mine foremen have to pass a State examination to test their competency, the courts are inclined to place too much of the responsibility upon the State when an accident happens through the ignorance or carelessness of the mine foreman.

Where an inspector finds a mine in first class condition, the mine foreman who has put it in such condition has given sufficient proof of his competency.

Therefore, instead of having mine foremen undergo an examination to determine their competency, let the mine laws be enforced to the letter and the operator will be compelled to hire competent men.

In some of the mines, I found men working in places where there was not the least perceptible air current and so unhealthy that I wondered how any one could work in such places and retain his health, yet, when I questioned the men in these places as to the kind of ventilation in which they were working, they would invariably reply that they considered it tolerably good.

In a few cases, I found conditions so unhealthy that I had every man found working in the mine taken out and in a great many instances I stopped men from working in parts of the mine that did not meet lawful requirements. Notwithstanding the fact that I did this to protect the health of the men employed, there has never yet been any complaint made to me by such men or their co-operation offered for bettering their condition.

On the other hand, there are operators in the district who endeavor to keep their mines in the most healthy condition possible. They know that the men when furnished well ventilated places in which to work

can accomplish more work, and that better discipline can be maintained among them, as they are better satisfied with their condition. The best class of labor is always found working at these mines.

Although a great many improvements have been made in the mines of this district during the year, there is still a good deal to be improved upon.

Most of the operators are in a mood to receive any recommendations or instructions that may be offered them to better the condition of their mines and far greater results can be expected for the coming year.

If nothing unforeseen happens during the coming year, I will be able to render the most efficient service possible for me with the number of mines now in my district along with transacting the clerical duties of my office.

In conclusion, I desire to give thanks to those operators operating the mines on Island creek in Logan county and the Red Jacket Consolidated Coal & Coke Co., Thacker Coal & Coke Co., and the Glen Alum Coal Co., in Mingo county, for the initiative they took in having their mines to comply with the mine law in nearly every particular.

I also wish to thank you for the able assistance I received from you during the year and the operators and miners for the respect shown me.

Respectfully submitted,

P. A. GRADY,

Mine Inspector, Twelfth District.

In the following reports of the mines in this district where no special mention is made of the method of working, the developments are on the double entry system.

CONDITION OF THE MINES IN THE TWELFTH DISTRICT.

The last two series numbers indicate the Inspector's number of the mine, while the number or numbers preceding them indicate the number of the district in which the mine is located, viz: 1219 indicates the Twelfth District and number 19 mine.

LINCOLN COUNTY,

BRANCLAND COAL CO.

Series No. 1201. *Branchland Mine.*—This mine is located on the Guyan Valley branch of the C. & O. R. R. It is a drift opening, conveying the coal across the river to the tippie by an aerial rope tramway. Roof is bad; drainage good. The ventilation produced by a furnace is not satisfactory. Doors and stoppings were not found in good condition. After much insistence the management finally agreed to construct permanent stoppings. Rules are posted. Stretchers, blankets and safety lamps are kept at the mine. The oil used is sold by the company and is of a fair quality. This mine is capable of producing about 200 tons per day.

This mine was reported last year as Lincoln No. 1 Mine, No. 562 of the printed report.

J. W. LOCKWOOD AND

LON REEVES AND

G. W. COYLE, Supts.

J. C. FENIMORE, Mine Bosses.

SOUTHERN FUEL CO.

Series No. 1202. *Rochester Mine*.—This mine is located on the Guyan Valley branch of the C. & O. R. R. It is a drift opening operating the Kanawha seam. This mine operated very little during the past year and only one inspection was made at which time it was found necessary to withdraw all the men from the mine on account of poor ventilation, dependent upon natural causes. Roof is bad, drainage good. Doors and stoppings were found in poor condition. Rules were not posted or record of air measurements kept. The oil sold by the company is of a fair quality. Stretchers, blankets and safety lamps were not kept at the mine.

This mine was reported last year as Rochester Mine, No. 561 of the printed report.

G. W. COYLE, Supt. and Mine Boss.

BRANCLAND COAL CO.

Series No. 1203. *Brown City Mine*.—This mine is located on the Guyan Valley branch of the C. & O. R. R. It is a drift opening operating the Kanawha seam. This mine has not been in operation during the past year.

This mine was reported last year as Brown City Mine, No. 563 of the printed report.

J. W. LOCKWOOD AND

G. W. COYLE, Supts.

MITCHELL & BATES (FORMERLY EDEN PARK COAL CO.)

Series No. 1204. *Eden Park Mine*.—This mine, located on the Guyan Valley branch of the C. & O. R. R., is a drift opening operating the Kanawha seam. This mine shipped a little coal during the year, but was never found in operation when it could be conveniently inspected.

This mine was reported last year as Eden Park Mine, No. 564 of the printed report.

J. W. MITCHELL, Supt. and Mine Boss.

LOGAN COUNTY.

PRUDENTIAL COAL MINING CO.

Series No. 1205. *Prudential Mine*.—This mine is located on the Guyan Valley branch of the C. & O. R. R., fifteen miles north of Logan. It is a drift opening operating the Kanawha seam. The ventilation which is produced by a furnace was found good on days of inspection. Roof is good; drainage fair. The law is complied with in regard to stretchers, blankets, safety lamps, powder and the posting of rules. Stoppings are

of a temporary nature. This mine was shooting coal from the solid and I insisted upon a safety powder being adopted or shot firers put on to shoot the coal. The management assured me that a safety powder would be adopted. The mine has been idle over half the year.

This mine was reported last year as Prudential Mine, No. 577 of the printed report.

S. C. FISHER, Supt. and Mine Boss.

STONE BRANCH COAL CO.

Series No. 1206. *Stone Branch Mine*.—This mine, located on Guyan river, fifteen miles north of Logan, is a drift opening operating the Winifrede seam. The ventilation which is produced by a furnace and a fan that was installed during the year is good. Roof is good; drainage good. Rules are posted. Safety lamps, stretchers and blankets are kept at the mine. Stoppings are not constructed of a permanent material. The employes burn the oil sold them by the operating company which is a good quality. This mine is capable of producing about 200 tons per day.

This mine was reported last year as Stone Branch Mine, No. 572 of the printed report.

G. M. BRENNAN, Supt. and Mine Boss.

BIG CREEK COAL CO.

Series No. 1207. *Big Creek Mine*.—This mine, located on Guyan river about fourteen miles north of Logan, is a drift opening operating the Winifrede seam of coal. The roof is good; drainage good. Stoppings along the main entry are permanently constructed. Ventilation produced by a furnace was found fairly good on days of inspection. The law in respect to stretchers, blankets, safety lamps, posting rules, powder, oil and the taking of air measurements is being complied with. This mine is capable of producing about 300 tons per day.

This mine was reported last year as Big Creek Mine, No. 568 of the printed report.

W. T. OLIVER, Supt.

JOHN EARLY, Mine Boss.

E. R. JOHNSON COAL CO.

Series No. 1208. *Johnson Mine*.—This mine is located on Sugar Tree creek, two miles from Logan. It is a new mine operating the Winifrede seam and has not started to ship any coal. A large electric plant is being installed and the company intends to make it one of the most improved and up to date mines in the field.

This mine was not reported last year.

H. T. WILSON, Gen. Mgr.

GEORGE HUDSON, Supt.

DRAPER COAL & COKE CO.

Series No. 1209. *Draper Mine*.—This mine, located on Guyan river at Logan, is a drift opening operating the Winifrede seam. The ventilation

produced by a furnace was found fairly good on days of inspection. Roof is good; drainage good. The oil used, as furnished by the company, is of a good quality. The mine during the winter months is dusty and I had to insist upon it being made wet. I also had to insist very hard to have permanent stoppings constructed along the main air courses. The law is complied with in regard to stretchers, blankets, safety lamps, posting of rules, powder and the taking of air measurements.

This mine was reported last year as Draper Mine, No. 567 of the printed report.

H. O. HEYSER, Supt.

F. R. KITCHEN, Mine Boss.

H. T. WILSON COAL CO.

Series No. 1210. *Wilson Mine*.—This mine, located on Guyan river at Logan, is a drift opening operating the Winifrede seam of coal. Roof is good; drainage good. The ventilation produced by a ten-foot Stine fan is good. Oil good. The mine is dusty during the winter months and I had to insist upon it being made wet. After some insistence permanent stoppings were constructed. Rules are posted, stretchers, blankets and safety lamps are kept at the mine. This mine is capable of producing about 200 tons per day.

This mine was reported last year as Wilson Mine, No. 581 of the printed report.

H. O. HEYSER, Supt.

JAMES CARSON, Mine Boss.

FORT BRANCH COAL CO.

Series No. 1211. *Fort Branch Mine*.—This mine, located on Dingess Run, two miles east of Logan, is a drift opening operating the Winifrede seam. The ventilation produced by a furnace was found fairly good on days of inspection. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. Carbonite is now being used to shoot wet holes instead of dynamite which was formerly used. Rules are posted and stretchers and safety lamps kept at the mine. The second opening meets lawful requirements. The oil used is that sold by the operating company which is of a good quality. This mine is capable of producing about 300 tons per day.

This mine was reported last year as Fort Branch Mine, No. 575 of the printed report.

C. E. STAFFORD, Supt.

G. H. CAMPBELL, Mine Boss.

PRICE COAL CO. (FORMERLY THE ODD COAL CO.)

Series No. 1212. *Price Mine*.—This mine, located on Dingess run, two miles east of Logan, is a drift opening operating the Winifrede seam. The ventilation produced by a furnace is fairly good. The installation of a fan has been recommended because it will soon be too large to be adequately ventilated by a furnace. Roof is good with the exception of a little draw slate that is to be found in some parts of the mine. Drainage is good; stoppings good. The law is fully complied with in regard

to stretchers, safety lamps, posting rules, oil and the taking of air measurements. This mine is capable of producing 300 tons per day.

This mine was reported as the Odd Mine of the Odd Coal Co., No. 579 of last year's printed report.

C. E. PRICE, Supt. and Mine Boss.

REX COAL & COKE CO.

Series No. 1213. *Rex Mine*.—This mine, located on Dingess run, three miles east of Logan, is a drift opening operating the Winifrede seam. The ventilation produced by a furnace was found good on days of inspection. Stoppings are good; roof and drainage good. The employes burn the oil sold them by the operating company which is good. Rules are posted. Stretchers, blankets and safety lamps are kept on hand. air measurements are taken and recorded as required by law. This mine has been idle for about half of the year, and is capable of producing about 150 tons per day.

This mine was reported last year as Rex Mine, No. 578 of the printed report.

J. P. KENSER, Supt.

G. H. BOLEN, Mine Boss.

THE LOGAN COAL CO.

Series No. 1214. *Logan No. 1 Mine*.—This mine, located on Dingess run, four miles east of Logan, is a drift opening operating the Winifrede seam. The ventilation produced by a furnace is unsatisfactory and the installation of a fan has been recommended. The stoppings along the main entry did not meet with my approval so I recommended that they be reconstructed out of a permanent material. Roof is good; drainage good. The law in respect to oil, powder, posting of rules, stretchers, blankets and safety lamps is being complied with. The second opening meets lawful requirements. The mine has been idle for over half the year, and is capable of producing about 200 tons per day.

This mine was reported last year as Logan No. 1 Mine, No. 573 of the printed report.

R. S. BRAME, Supt.

W. S. MCGINNIS, Mine Boss.

ETHEL COAL CO.

Series No. 1215. *Ethel Mine*.—This mine, located on Dingess run, five miles east of Logan, is a drift opening operating the Winifrede seam. The ventilation produced by a furnace was poorly distributed to some parts of the mine, which necessitated the withdrawal of the men from parts of the mine. The stoppings along the main entry and overcasts are constructed of a permanent material. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. The second opening meets lawful requirements. Powder is taken into the mine in cans of five pounds capacity. This mine is capable of producing about 200 tons per day.

This mine was reported last year as Ethel Mine, No. 580 of the printed report.

C. A. DEVENY, Supt.

JOHN SPICER, Mine Boss.

MONITOR COAL & COKE CO.

Series No. 1216. *Monitor Mine*.—This mine, located on Island creek, two miles west of Logan, is a drift opening operating the Winifrede seam. The condition of this mine in regard to ventilation, roof, and drainage is very good. The stoppings and overcasts are constructed of brick and provision has been made to make the necessary splits of air. The aircourses and traveling ways are in excellent condition. After the track is taken up in the air courses, all the dust and track ballast is loaded up and either placed between walls in the breakthroughs or taken out of the mine. The mine is inclined to be dusty but has always been found well sprinkled. The superintendent of this mine is a thoroughly practical man, to which can be attributed the excellent condition of the mine. The mine law is observed in all other respects. This mine is capable of producing about 700 tons per day.

This mine was reported last year as Monitor No. 1 Mine, No. 565 of the printed report.

J. E. BARLOW, Supt.

E. M. STEVENS, Mine Boss.

Series No. 1217. *Beechwood Mine*.—This mine, located on Island creek two miles west of Logan, is a drift opening operating the Winifrede seam. The ventilation produced by an eight-foot Stine fan is very good. The coal from this mine is run to the same tippie as that of the Monitor Mine. This mine is in the same condition and the law observed the same as in the Monitor Mine. It is capable of producing about 400 tons per day.

This mine was reported last year as Beechwood Mine, No. 565 of the printed report.

J. E. BARLOW, Supt.

R. B. BARLOW, Mine Boss.

YUMA COAL & COKE CO.

Series No. 1218. *Yuma Mine*.—This mine, located on Island creek, three miles west of Logan, is a drift opening operating the Winifrede seam of coal. The ventilation produced by an eight-foot Stine fan is very good. Roof is good; drainage good. The stoppings and overcasts are constructed of brick and the ventilating current well split. Powder is taken into the mine in cans of five pounds capacity. Rules are posted. Stretchers, safety lamps and blankets are kept at the mine. The second opening meets lawful requirements. The air courses and traveling ways are kept well clean of refuse and dust. Oil used is good. This mine is capable of producing about 500 tons per day.

This mine was reported last year as Yuma Mine, No. 574 of the printed report.

C. K. ROBINSON, Supt.

W. L. STEVENS, Mine Boss.

GAY COAL & COKE CO.

Series No. 1219. *Gay Mine*.—This mine, located on Island creek, one mile west of Logan, is a drift opening operating the Winifrede seam on a modified Longwall system. The rooms are turned on one hundred-

foot centers, driven twelve feet wide and about three hundred feet deep. The ribs are afterward started on and mined until there is only twenty-five feet of the pillar remaining. It will be a hard matter to ever recover the coal that is left, which represents 25 per cent, and I doubt if it ever can be recovered. In driving the rooms, there are no break-throughs cut, but the working faces were always found well ventilated with brattice that was carried forward from the entry. There is ample ventilation produced by a nine-foot Guibal fan. The roof is excellent and the mine damp throughout. The law is complied with in respect to stretchers, blankets, powder, oil, safety lamp and posting rules. This mine is capable of producing about 400 tons per day.

This mine was reported last year as Gay Mine, No. 566 of the printed report.

H. S. GAY, Supt.

FRED KELLERMAN, Mine Boss.

CORA COAL & COKE CO.

Series No. 1220. *Cora Mine*.—This mine, located two miles west of Logan on Island creek, is a drift opening operating the Winifrede seam. The ventilation, produced by an eight-foot Thayer fan, which is equipped with a recording pressure gauge, is good. Roof is good; drainage good. Oil used is of a good quality. The law in respect to stretchers, blankets, safety lamps, powder, and the posting of rules is observed. Main stoppings are constructed of brick. There is a high voltage electric current in this mine, but the management has provided separate traveling ways for the employes, with the entrance to them whitewashed and in them placed white lights. At the entrance to the haulage way, red lights are placed to warn the employes of the danger of traveling on them. 300 tons per day can be produced from this mine.

This mine was reported last year as Cora Mine, No. 576 of the printed report.

C. W. JONES, Gen. Mgr.

C. B. TRUAX, Mine Boss.

UNITED STATES COAL & OIL CO.

This company is operating six mines on Island creek. They ship their coal over six miles of their own railroad to the C. & O. R. R. at Logan. A large power plant generates electric power for their different mines at 500 volts.

In their mines they have adopted a number of safety precautions, a few of which are worthy of special mention. The Nos. 1 and 2 Mines, which are inclined to be dusty, are carefully sprinkled every night by a force of men. Before the day shift enters for work, the mines are examined by the night bosses, whose duty it is to visit each working place, mark the date of the month therein, and report to the mine foreman any working places that may be found in a dusty condition. No shots are allowed to be fired in such places until they are made wet.

The coal is undercut by chain machines and is "snubbed" about eighteen inches in front before shooting. Clay is used for tamping and large boxes filled with it are placed at convenient points in the mine.

Shot bosses are employed to patrol the mine to see that the coal is "snubbed," all sprags removed from under it, holes properly placed, and to see that no excessive amount of powder is used in shooting.

At each one of the mines is a "first aid to the injured case," to give first aid to any of the employes who may get injured. The company has purchased brass checks for the purpose of checking men in and out of their mines.

The management of this company deserves to be commended for the many excellent precautions which they have put in practice in their mines.

Series No. 1221. *Island Creek No. 3 Mine.*—This mine, located on Island creek near Holden, is a drift opening operating the Winifrede seam. This mine commenced shipping coal during the year. The ventilation produced by a ten-foot Stine fan is good. Roof is good; drainage good. Doors and stoppings in good condition. A stairway has been placed in the return air shaft which makes the second opening meet lawful requirements. Safety lamps and stretchers on hand and rules posted. Powder and oil law complied with. This mine at present can produce 300 tons per day.

This mine was reported last year as Island Creek No. 3 Mine, No. 571 of the printed report.

PAUL HARDY, Supt.

H. D. GAST, Mine Boss.

J. C. BEEBEE, Gen Mgr.

Series No. 1222. *Island Creek No. 4 Mine.*—This mine, located on Island creek near Holden, is a drift opening operating the Winifrede seam. It is a new mine which commenced shipping coal during the past year. The ventilation produced by a ten-foot Stine fan is good. Roof is good; drainage good. Stoppings are to be constructed of brick. The law in respect to oil, powder, safety lamps, posting of rules, stretchers and blankets is observed. This mine at present can produce 200 tons per day.

This mine was not reported last year.

PAUL HARDY, Supt.

H. D. GAST, Mine Bcss.

J. C. BEEBEE, Gen Mgr.

Series No. 1223. *Island Creek No. 5 Mine.*—This mine, located on Island creek, is a drift opening, operating the Winifrede seam. This mine has no territory of its own to develop. It is to be connected to the right side of the No. 2 Mine for the purpose of extracting the pillar coal. This system is an excellent one in so far as doing away with old workings is concerned. It will enable them to withdraw the pillars very rapidly, thus preventing old workings from standing with their dangerous accumulations of dust. The ventilation at present is produced by a furnace which is adequate for its present size. When connected to No. 2 Mine it will be used as one of the intakes for that mine. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. The second opening meets lawful require-

ments. Oil and powder law is observed. The mine at present is capable of producing 200 tons per day.

This mine was not reported last year.

PAUL HARDY, Supt.

W. B. SIMMS, Mine Boss.

Series No. 1224. *Island Creek No. 6 Mine.*—This mine, located on Island creek near Holden, is a drift opening operating the Winifrede seam. Ventilation at present is produced by a furnace which is adequate for the size of the mine. Roof is good; drainage good. Stretchers and lamps are kept at the mine. Oil and powder law is observed. Second opening meets lawful requirements. At present time, this mine can produce 150 tons per day.

This mine was not reported last year.

PAUL HARDY, Supt.

W. B. SIMMS, Mine Boss.

Series No. 1225. *Island Creek No. 2 Mine.*—This mine, located at Holden, is a drift opening operating the Winifrede seam on the quadruple entry system. Ample ventilation is produced and well distributed throughout the mine by thirteen and one-half-foot and seven-foot fans. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law strictly observed. The second opening meets lawful requirements. This mine is capable of producing about 2400 tons per day.

This mine was reported last year as Island Creek No. 2 Mine, No. 570 of the printed report.

PAUL HARDY, Supt.

W. G. LAX, Mine Boss.

J. C. BEEBEE, Gen Mgr.

Series No. 1226. *Island Creek No. 1 Mine.*—This mine, located on Island creek at Holden, is a drift opening operating the Winifrede seam on the triple entry system. Ventilation produced by thirteen and one-half-foot and seven-foot Clifford fans is good and well distributed in the different splits throughout the mine. Roof is good; drainage good. Rules posted in the different languages. Stretchers and safety lamps kept at the mine. Oil and powder law strictly observed. The second opening meets lawful requirements. This mine is capable of producing 1500 tons per day.

This mine was reported last year as Island Creek No. 1 Mine, No. 569 of the printed report.

PAUL HARDY, Supt.

FRANK SHARP, Mine Boss.

J. C. BEEBEE, Gen Mgr.

WAYNE COUNTY.

EAST LYNN COAL CO.

Series No. 1227. *East Lynn No. 1 Mine.*—This mine, located eight miles from Wayne on Twelve Pole creek, is a drift opening operating the Winifrede seam. The ventilation produced by two furnaces, has not always been found satisfactory. Roof is good; drainage good. Oil and

powder law is enforced. Rules are posted and stretchers and safety lamps are kept at the mine. During the year the temporary stoppings throughout the mine were reconstructed of stone. At the time of my first inspection of this mine, the coal was being shot from the solid, the miners shooting whenever they wished to. After making recommendations as to the manner in which coal should be shot from the solid, shot firers were put on to shoot the coal when all other employes are out of the mine. This mine is capable of producing about 200 tons per day.

This mine was reported last year as East Lynn No. 1 Mine, No. 627 of the printed report.

A. J. PERRY, Supt.

ADAM LINDLEY, Mine Boss.

MINGO COUNTY.

PEARL COAL MINING CO.

Series No. 1230. *Haggerty Mine*.—This mine, located at Dingess on the N. & W. R. R., is a slope opening operating the Lower Kittanning seam. The ventilation produced by an eight-foot Thayer fan is good. Roof is good; drainage good. Oil and powder law observed. Rules are posted and stretchers and safety lamps kept at the mine. Second opening meets lawful requirements. By installing a tail-rope system of haulage this company will be able to produce about 500 tons per day.

This mine was reported last year as Haggerty Mine, No. 583 of the printed report.

J. F. KENT, Supt.

GEO. CASTLE, Mine Boss.

MINGO BLOCK COAL CO.

Series No. 1231A. *No. 1 Mine*.—This company started to open up mines on Pigeon creek between Naugatuck and Dingess. No coal has been shipped yet and no inspections made.

These mines were reported last year as the No. 1 Operation, No. 626 of the printed report.

DR. HENRY MACE PAYNE, Supt.

AJAX COAL CO.

Series No. 1232. *Ajax Mine*.—This mine, located on Pigeon creek, three miles from Naugatuck, is a drift opening operating the Kittanning seam. The ventilation produced by a furnace was found good for the size of the mine and the small number of men employed. Roof is bad and requires careful attention. Drainage is poor. Coal was being shot from the solid, but on account of the small number of men in the mine I was assured that the mine boss would act as shot firer and fire the holes when all other employes would be out of the mine. Rules are posted and stretchers and safety lamps kept at the mine. Oil and powder law enforced. This mine has operated very little during the year.

This mine was reported last year as Mattie May Mine, No. 625 of the printed report.

W. A. WILSON, Supt.

R. McKENZIE, Mine Boss.

WALNUT HILLS COAL & MINING CO.

Series No. 1233. *Walnut Hill Mine*.—This mine, located on Pigeon creek near Naugatuck, is a drift opening operating the Kittanning seam. This mine caused a great deal of trouble during the year. For every recommendation made, before a compliance could be had for same, prosecutions had to be instituted or threatened. No rules were posted or stretchers or safety lamps kept at the mine. For these violations along with employing children under age, I brought prosecutions against the superintendent, but no trial could be had in Mingo county because he was acting as receiver for the United States Federal court. Roof is good except in some parts of the mine where there is a frail draw slate. Drainage is good. The ventilation produced by a furnace, which gave very poor satisfaction, would sometime become reversed when the natural current flowing in an opposite direction from the furnace would enter the furnace stack and carry with it through the mine the smoke and gases from the furnace fire. To remedy this condition, I was compelled to close the mine under Section 16 of the mining law. Before work was again resumed the mine was put in a first class condition and the mining laws are now being complied with.

This mine was reported last year as Walnut Hill Mine, No. 621 of the printed report.

J. G. THOMAS, Supt.

PLES. CASTLE, Mine Boss.

WARFIELD COAL CO.

Series No. 1234. *Warfield Mine*.—This mine, located four miles west of Naugatuck on Tug river, is a shaft opening operating the Alma seam. The ventilation produced by a furnace is good. Roof is good; drainage good. Rules are posted and stretchers and safety lamps kept at the mine. Oil and powder law observed. Second opening meets lawful requirements. The shooting of the coal, which was off the solid, was being done by shot firers when all other employes would be out of the mine, until they installed coal cutting machinery. This mine has been idle about half of the year.

This mine was reported last year as Warfield Mine, No. 623 of the printed report.

H. G. HAPPERSETT, Supt.

B. D. PINSON, Mine Boss.

BIG SPLINT COAL CO.

Series No. 1235. *Nolan Mine*.—Located near Nolan on the N. & W. R. R. It is a drift opening in the Winifrede seam of coal. It has been idle all year and no inspection made.

This mine was reported last year as Nolan Mine, No. 597 of the printed report.

No officials.

CULROSS COAL CO.

Series No. 1236. *Jackson Mine*.—This mine, located near Nolan on the N. & W. R. R., is a drift opening in the Winifrede seam of coal. This

mine has been idle all year. An inspection was made of a part of the mine where a small fire exists. It is cut off from the rest of the mine and cannot spread to the main body of coal.

This mine was reported last year as Jackson Mine, No. 603 of the printed report.

W. J. FRY, Supt.

HATFIELD COLLIERY CO.

Series No. 1238. *Hatfield Mine*.—This mine, located near Nolan on the N. & W. R. R., is a drift opening operating the Winifrede seam. Ventilation produced by a furnace was found only fair. Drainage is poor; roof good. Oil and powder law complied with. Rules are posted and safety lamps and stretcher kept at the mine. Second opening meets lawful requirements. Doors and stoppings were found in poor condition. This mine has been idle a great deal of the time during the year.

This mine was reported last year as Hatfield Mine, No. 602 of the printed report.

J. R. WHITE, Supt.

C. C. NEW, Mine Boss.

CHATTAROY COLLIERY CO.

Series No. 1239. *Chattaroy Mine*.—This mine, located on Buffalo creek, four miles west of Williamson, is a drift opening operating the Winifrede and Coalburg seams. The ventilation produced by four furnaces has always been found fairly good. Roof is good; drainage good. Rules are posted and stretcher and safety lamps are kept at the mine. The second opening meets lawful requirements. This mine is capable of producing about 300 tons per day.

This mine was reported last year as Chattaroy Mine, No. 617 of the printed report.

C. E. TABOR, Supt.

JAMES EANES, Mine Boss.

BUFFALO COLLIERIES CO.

Series No. 1240. *Buffalo Mine*.—This mine, located on Buffalo creek four miles west of Williamson, is a drift opening operating the Winifrede seam. Ventilation produced by a seven-foot Stine fan is good. Roof is of a good sand stone. Drainage is good. Second opening meets lawful requirements. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is complied with. An electric system of haulage has been installed which has increased their output from 200 tons to 500 tons per day.

This mine was reported last year as Buffalo Mine, No. 618 of the printed report.

S. V. PRESTON, Supt.

JAMES PELFREY, Mine Boss.

LINGOHOCKEN COAL CO.

Series No. 1241. *Lingohocken Mine*.—This mine, located on Buffalo creek, four and one-half miles west of Williamson, is a drift opening operating the Winifrede seam. Ventilation produced by a fan and fur-

nace is good. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Second opening meets lawful requirements. The employes burn the oil sold them by the operating company. Powder brought into the mine as required by law. This mine is capable of producing about 200 tons per day.

This mine was reported last year as Lingohocken Mine, No. 622 of the printed report.

W. B. BUCKWALTER, Supt.

FLOYD GOLDEN, Mine Boss.

HOWARD COLLIERY CO.

Series No. 1242. *Howard Mine*.—This mine, located on Buffalo creek, four and one-half miles west of Williamson, is a drift opening operating the Winifrede seam of coal. Ventilation produced by a furnace is only fair. A fan is being installed which will, with the good stoppings that have been constructed throughout the mine, make the ventilation good. Roof is good; drainage good. The law in respect to oil, powder, stretchers, blankets, safety lamps and the posting of rules is complied with. This mine is capable of producing about 400 tons per day.

This mine was reported last year as Howard Mine, No. 616 of the printed report.

F. L. SCHOEWE, Gen. Mgr.

R. G. CLAYTOR, Mine Boss.

F. L. ESTLER, Supt.

WINIFREDE CONSOLIDATED COAL CO.

Series No. 1243. *Sugar Tree Mine*.—This mine, located on Sugar Tree creek about two miles west of Williamson, is a drift opening operating the Winifrede seam. On one inspection the ventilation was found so poor in the Nos. 2, 3, 4 and 5 drifts that it was necessary to withdraw the men from the mine. Four furnaces were then constructed which made the ventilation good. Roof is good; drainage good. The law in respect to oil, powder, stretchers, safety lamps and the posting of rules is complied with. The second opening meets lawful requirements. This mine is capable of producing 200 tons per day.

This mine was reported last year as Sugar Tree Mine, No. 615 of the printed report.

W. A. LINDSEY, Supt.

H. H. KELLEY, Mine Boss.

WILLIAMSON COAL & COKE CO.

Series No. 1245. *Williamson No. 1 Mine*.—This mine, located at Williamson on the N. & W. R. R., is a drift opening operating the Kittanning seam. The ventilation produced by a furnace was found poor. Roof good; drainage poor. Doors and stoppings poor. The second opening meets lawful requirements. Rules are posted. Stretchers and safety lamps are kept at the mine. Oil and powder law is observed. This mine has been idle over half the year.

This mine was reported last year as Williamson No. 1 Mine, No. 613 of the printed report.

W. T. POOLE AND

J. L. ADKINS AND

L. B. RAMSEY, Supts.

W. L. PETITT, Mine Bosses.

Series No. 1246. *Williamson No. 2 Mine*.—This mine, located at Williamson, on the N. & W. R. R., is a drift opening operating the Kittanning seam. Ventilation which was produced by a furnace was poor. A fan has been installed and the stoppings and doors put in better condition which has made it good. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Second opening meets lawful requirements. Oil and powder law is observed. This mine has been idle nearly half the year.

This mine was reported last year as Williamson No. 2 Mine, No. 614 of the printed report.

W. T. POOLE AND

J. F. GENT, Mine Boss.

L. C. RAMSEY, Supts.

RAWL COAL & COKE CO.

Series No. 1247. *Rawl Mine*.—This mine, located four miles east of Williamson on the N. & W. R. R., is a drift opening operating the Lower Kittanning seam. Ventilation produced by an eight-foot Thayer fan and a furnace is fair. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Second opening meets lawful requirements. The oil used is sold by the company. Powder is brought into the mine in five pound cans. This mine is capable of producing about 150 tons per day.

This mine was reported last year as Rawl No. 1 Mine, No. 619 of the printed report.

R. N. TAYLOR, Supt.

LYS. WEBB, Mine Boss.

MERRIMAC COAL & COKE CO.

Series No. 1249. *Coaling Station Mine*.—This mine, located five miles east of Williamson on the N. & W. R. R., is a drift opening operating the Kittanning seam. The ventilation which was produced by a furnace was found so poor that it was necessary for me to stop a number of men from working in the mine. A Crawford & McCrimmon fan was then installed and the ventilation was made fairly good. Roof is bad, being of a very frail nature. Drainage is good. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. The second opening was not found in a very available condition. This mine is capable of producing about 100 tons per day.

This mine was reported last year as Coaling Station Mine, No. 612 of the printed report.

J. T. WOODY, Supt.

K. L. BROGAN, Mine Boss.

Series No. 1250. *Commercial Mine*.—This mine, located five miles east of Williamson on the N. & W. R. R., is a drift opening operating the Kittanning seam. Ventilation produced by a furnace was not found satisfactory at time of first inspection. A fan was afterwards installed which gave fairly good results considering the poor doors and stoppings throughout the mine. Roof is bad; drainage good. Rules are posted and stretchers and safety lamps are kept on hand. Oil and powder law is observed. This mine is capable of producing 100 tons per day.

This mine was reported last year as Commercial Mine, No. 611 of the printed report.

J. T. WOODY, Supt.

E. B. VARNEY, Mine Boss.

BELVEDERE GAS COAL CO.

Series No. 1251. *Alma Mine.*—This mine, located five miles east of Williamson, is a drift opening in the Lower Kittanning seam. It has been idle all year and no inspection has been made.

This mine was reported last year as Alma Mine, No. 584 of the printed report.

MARVIN COAL CO.

Series No. 1252. *Marvin Mine.*—This mine, located at Matewan on the N. & W. R. R., is a drift opening operating the Lower Kittanning and Thacker seams. The ventilation produced by two furnaces is fairly good. Roof is not good, being of a frail nature. Drainage is good. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. This mine is capable of producing 250 tons per day.

This mine was reported last year as Marvin Nos. 1 and 2 Mine, Nos. 606 and 607 of the printed report.

J. A. WILLIAMS, Supt.

W. H. ARTIS, Mine Boss.

RED JACKET CONSOLIDATED COAL & COKE CO.

Series No. 1253. *Rutherford Mine.*—This mine, located on Mate creek near Matewan, is a drift opening operating the Thacker seam. The ventilation produced by a Crawford & McCrimmon fan has always been found good and well distributed throughout the mine. Roof is good; drainage good. Oil and powder law is observed. During the year permanent stoppings were constructed along the main air course. Rules are posted in the different languages and stretchers and safety lamps are kept at the mine. There is no shooting in this mine during the day except a little on pillar work, which establishes a very healthy atmosphere along with safe conditions for the men to work in. The management has always taken an active interest in having the mine laws complied with. This mine is capable of producing about 800 tons per day.

This mine was reported last year as Rutherford Mine, No. 585 of the printed report.

W. C. EASLEY, Gen. Mgr.

GEO. WILBURN, Mine Boss.

W. R. WILBURN, Supt.

Series No. 1254. *Logan Mine.*—This mine, located on Mate creek, two miles from Matewan, is a drift opening operating the Thacker seam. This mine is ventilated by a small force fan in the Red Jacket Mine which forces ample air for the number of men working. Roof is good; drainage fair. All the work of this mine is done in the extracting of pillar coal. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law observed.

This mine was reported last year as Logan Mine, No. 587 of the printed report.

W. C. EASLEY, Gen. Mgr.

GEO. W. BARNEY, Mine Boss.

W. R. WILBURN, Supt.

Series No. 1255. *Red Jacket Mine*.—This mine, located on Mate creek, two miles from Matewan, is a drift opening operating the Winifrede seam. The ventilation produced by a Crawford & McCrimmon fan is good. Roof is good; drainage good. Oil and powder law is observed. Rules are posted and stretchers and safety lamps are kept at the mine. There is a noticeable absence of powder smoke in this mine during the day on account of most of the shooting being done by shot firers at night. This mine is capable of producing about 800 tons per day.

This mine was reported last year as Red Jacket Mine, No. 586 of the printed report.

W. C. EASLEY, Gen. Mgr.

M. W. HYRNE AND

W. R. WILBURN, Supt.

W. A. WILSON, Mine Bosses.

MATE CREEK COAL CO.

Series No. 1256. *No. 1 Mine*.—This mine, located near Matewan on the N. & W. R. R., is a drift opening operating the Thacker seam. Ventilation produced by a furnace was found very poor and as nearly all of the men were working in violation of the law, I had them taken out of the mine. Roof is bad and timbering poorly done. Drainage is good. Doors and stoppings in poor condition. The air courses and along the sides of the haulage roads are blocked with slate. Oil and powder law is observed. Rules are posted and safety lamps and stretcher kept on hand, but no blankets. The second opening is not available for travel.

This mine was reported last year as No. 1 Mine, No. 604 of the printed report.

This mine has not been in operation since last November.

S. T. LAMBERT, Supt.

J. F. DICKERSON, Mine Boss.

Series No. 1257. *No. 2 Mine*.—This mine, located on the N. & W. R. R. near Matewan, is a drift opening operating the Lower Kittanning seam. Ventilation produced by a furnace was found very poor. Roof is fair; drainage good. Doors and stoppings in poor condition. Oil and powder law is observed. Rules are posted and stretcher on hand, but no safety lamps. This mine has been idle over half the year.

This mine was reported last year as No. 2 Mine, No. 605 of the printed report.

S. T. LAMBERT, Supt.

J. F. DICKERSON, Mine Boss.

THACKER COAL & COKE CO.

Series No. 1258. *Lynn Mine*.—This mine, located on the N. & W. R. R., three miles west of Thacker, is a drift opening operating the Thacker seam. At the time of my first inspection of this mine the ventilation and drainage were so poor that it was necessary for me to stop every man found working in the mine. There were no doors or stoppings in

use to conduct the air, dependent on natural causes. Roof is good. Some kerosene oil was used and full kegs of powder taken in the mine. Rules are posted and stretchers and safety lamps kept on hand.

This mine was reported last year as Lynn Mine, No. 593 of the printed report.

JAMES COLLINS, Gen. Supt.

W. M. COX, Mine Boss.

RED JACKET CONSOLIDATED COAL & COKE CO.

Series No. 1259. *Maritime Mine*.—This mine, located near Thacker on a branch of the N. & W. R. R., is a drift opening operating the Thacker seam. Ample ventilation is produced by a fifteen-foot Crawford & McCrimmon fan, but was not found distributed to the working faces. Roof is good; drainage good. Doors and stoppings were not found in good condition. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. The second opening meets lawful requirements. This mine has been idle over half of the year.

This mine was reported last year as Maritime Mine, No. 588 of the printed report.

E. C. LAMBERT AND

D. F. CARNS, Mine Boss.

R. H. BUCHANNON, Supts.

THACKER COAL & COKE CO.

Series No. 1260. *No. 2 Mine*.—This mine, located on the Thacker branch of the N. & W. R. R., is a drift opening operating the Thacker seam. Ventilation produced by a fifteen-foot Crawford & McCrimmon fan is good. Roof is of a frail nature and requires careful attention. Drainage is good. Rules are posted in the different languages, and stretchers and safety lamps kept on hand. The second opening meets lawful requirements. All coal mined in this mine is done in robbing the pillars.

This mine was reported last year as No. 2 Mine, No. 591 of the printed report.

JAS. COLLINS, Gen. Supt.

WM. PONTIOUS, Mine Boss.

Series No. 1261. *No. 3 Mine*.—This mine, located on the Thacker branch of the N. & W. R. R., is a drift opening operating the Thacker seam. Ventilation produced by a fifteen-foot Capell fan is good. Roof is not good and requires careful attention. Drainage is good. Oil and powder law is observed. Rules are posted in the different languages, and stretchers and safety lamps are kept at the mine. The second opening meets lawful requirements. The condition of this mine has been greatly improved during the year under the management of Mr. James Collins. This mine is now capable of producing 1000 tons per day.

This mine was reported last year as No. 3 Mine, No. 592 of the printed report.

JAS. COLLINS, Gen. Supt.

PETER KERR, Mine Boss.

RED JACKET CONSOLIDATED COAL & COKE CO.

Series No. 1262. *Lick Fork Mine.*—This mine, located on the Lick Fork branch of the N. & W. R. R., consists of a number of drifts opened in the Thacker seam. The ventilation produced by four furnaces is good. Roof is good; drainage good. Rules are posted in the different languages and stretchers and safety lamps are kept on hand. Stoppings throughout the mine have been constructed during the year of sand stone and are very good. The oil and powder law is observed. The coal is shot from the solid in this mine, in some of the drifts, shot firers shoot it when all other employes are out of the mine and in the others it is shot by a safety powder. This mine is capable of producing 600 tons per day.

This mine was reported last year as Lick Fork Mine, No. 589 of the printed report.

R. H. BUCHANNON, Supt.

A. L. COPLEY AND

BASS PRICE, Mine Bosses.

THACKER FUEL CO.

Series No. 1263. *No. 10 Mine.*—This mine, located on the Lick Fork branch of the N. & W. R. R., consists of two pairs of drift openings in the Thacker seam, ventilated by two furnaces which supply ample air for the men working. Roof is good; drainage good. Rules are posted in the different languages and stretchers and safety lamps are kept at the mine. The oil and powder law is observed. The second openings which are kept in a clean condition meet lawful requirements. This mine is capable of producing 400 tons per day.

This mine was reported last year as No. 10 Mine, No. 594 of the printed report.

JAMES COLLINS, Gen. Supt.

C. E. SIGMAN, Mine Boss

RED JACKET CONSOLIDATED COAL & COKE CO.

Series No. 1264. *Grapevine Mine.*—This mine, located near Thacker on the N. & W. R. R., is a drift opening operating the Thacker seam. The ventilation produced by two furnaces and natural causes was very good at time of last inspection. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Miners' oil is used for illuminating purposes and powder brought into the mine as required by law. The second opening meets lawful requirements. This mine is capable of producing 400 tons per day.

This mine was reported last year as Grapevine Mine, No. 590 of the printed report.

R. H. BUCHANNON, Supt.

A. L. COPLEY AND

W. M. MUSSER, Mine Bosses.

MAJESTIC COLLIERIES CO.

Series No. 1265. *Cedar Mine.*—This mine, located on the N. & W. R. R., about eight miles east of Thacker, is a drift opening operating the Kittanning seam. The ventilation produced by a furnace is only fair. Roof is bad; drainage poor in some parts of the mine. No rules were posted or stretchers or safety lamps on hand. The miners burn

the oil sold by the company for illuminating purposes. Powder is taken into the mine as required by law. The second opening meets lawful requirements. Most of the coal in this mine was being shot from the solid, and it closed down before the regulations governing solid shooting could be enforced.

This mine was reported last year as Cedar Mine, No. 610 of the printed report.

A. B. RAWN, Supt.

L. HARRISON, Mine Boss.

GLEN ALUM COAL CO.

Series No. 1266. *No. 1 Mine.*—This mine, located on the Alum Creek branch of the N. & W. R. R., is a drift opening operating the Thacker seam. The ventilation produced by a twelve-foot Crawford & McCrimmon fan is good. Roof is good; drainage good. Rules are posted in the different languages, and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. The second opening meets lawful requirements. Nearly all the work being done in this mine is in drawing pillars.

This mine was reported last year as No. 1 Mine, No. 595 of the printed report.

E. C. LAMBERT, Supt.

JAMES GENT, Mine Boss.

Series No. 1267. *No. 2 Mine.*—This mine, located on the Alum Creek branch of the N. & W. R. R., is a drift opening operating the Thacker seam. The ventilation produced by a twelve-foot Stine fan is good. Roof is bad but is carefully timbered. Drainage good. Rules are posted in the different languages and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. Since the present superintendent, Mr. E. C. Lambert, took charge, permanent stoppings have been constructed throughout the mine and the fans equipped with recording pressure gauges. The second opening meets lawful requirements.

This mine was reported last year as No. 2 Mine, No. 596 of the printed report.

E. C. LAMBERT, Supt.

FRANK McCLOSKEY, Mine Boss.

WAR EAGLE COAL CO.

Series No. 1268. *Star Mine.*—This mine, located at War Eagle and on the Turkey Creek branch of the N. & W. R. R., is a drift opening operating the Kittanning seam. Only one inspection was made of this mine during the year, at which time the ventilation was found so poor that it was necessary for me to order all the men out of the mine. Roof is not good; drainage fair. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. The second opening meets lawful requirements.

This mine was reported last year as Star Mine, No. 601 of the printed report.

G. W. COFFEY, Supt.

M. F. BOOTH, Mine Boss.

Series No. 1269. *Pappoose Mine.*—This mine, located at War Eagle

and on the Turkey Creek branch of the N. & W. R. R., is a drift opening operating the Kittanning seam. The ventilation which was produced by natural causes was not satisfactory and I had to stop a number of men from working on one inspection. Two furnaces were then constructed which made the ventilation fairly good. Roof is Good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. This mine is capable of producing 200 tons per day.

This mine was reported last year as Pappoose Mine, No. 599 of the printed report.

G. W. COFFEY, Supt.

J. K. COFFEY, Mine Boss.

Series No. 1270. *Mephisto Mine*.—This mine, located at War Eagle on the Turkey Creek branch of the N. & W. R. R., is a drift opening operating the Kittanning seam. The ventilation produced by two furnaces is fairly good. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Oil used is sold by the company. Powder is taken into the mine as required by law. The second opening meets lawful requirements. This mine is capable of producing 300 tons per day.

This mine was reported last year as Mephisto Mine, No. 600 of the printed report.

G. W. COFFEY, Supt.

J. A. EARNEST, Mine Boss.

Series No. 1271. *War Eagle Mine*.—This mine, located at War Eagle on the Turkey Creek branch of the N. & W. R. R., is a drift opening in the seam of coal overlying the Kittanning. It has been idle all year and no inspection was made.

This mine was reported last year as War Eagle Mine, No. 598 of the printed report.

G. W. COFFEY, Supt.

MARGARET MINING CO.

Series No. 1272. *Margaret No. 1 Mine*.—This mine, located at War Eagle on the Turkey Creek branch of the N. & W. R. R., is a drift opening in the seam of coal overlying the Kittanning. It has operated very little during the year and no inspection was made.

This mine was reported last year as Margaret No. 1 Mine, No. 608 of the printed report.

A. H. DANGERFIELD, Supt.

L. H. BLANKENSHIP, Mine Boss.

Series No. 1273. *Margaret No. 2 Mine*.—This mine, located at War Eagle on the Turkey Creek branch of the N. & W. R. R., is a drift opening operating the Kittanning seam. The ventilation produced by a Crawford & McCrimmon fan is good. Roof is good; drainage good. Rules are posted and stretchers and safety lamps are kept at the mine. Oil and powder law is observed. The second opening meets lawful requirements. This mine is capable of producing 300 tons per day.

This mine was reported last year as Margaret No. 2 Mine, No. 609 of the printed report.

A. H. DANGERFIELD, Supt.

L. H. BLANKENSHIP, Mine Boss.

APPENDIX.



APPENDIX.

MINE EXPLOSIONS.

THE MONONGAH EXPLOSION.

In a special communication to the Governor during January, 1908, was transmitted reports upon the Monongah Mine explosion, which occurred December 6, 1907, resulting in the loss of 361 lives, 359 of which are listed in the 1908 annual report, made by the District Inspectors of West Virginia and Inspectors from the States of Pennsylvania and Ohio.

A series of chemical and physical determinations were begun to ascertain certain relations which may have contributed to the extent of the explosion and at the time of this report going to press, the results were not obtainable.

The Chief of the Department will, as soon as such results are completed, incorporate such facts as may appear of interest in a special report which may be embodied in a Bulletin.

NEW RIVER VALLEY MINE.

Explosion, January 30, 1908.

Fayetteville, W. Va., Jan. 30, 1908.

MR. JAS. W. PAUL,

Chief of Department of Mines,

Charleston, W. Va.

MY DEAR SIR:—

An explosion occurred about 1 P. M. in the Valley Mine belonging to the New River Valley Coal Co.

This mine is located on the south side of the river near Hawks Nest. 9 men were killed, and one badly burned. This was all the men that were in the mine at the time of the explosion.

The bodies were all recovered at 6 P. M. and all were found on the entries except two that were blown out of the mine.

I arrived there about 4 P. M. and found places in the mine where heavy charges of powder had been exploded. The mine appears to have been very dusty. The main entry is only in about 800 feet, rooms are turned off entry and air course. Face of entry is in advance of last breakthrough about 20 feet.

I inspected this mine Nov. 16, 1907, and found no gas. The mine was not dusty. There were only five men working in the mine at that time. I saw only three, two had not reported for work or had gone home. The coal in this mine was mostly all shot off the solid. On my first visit I found

this was being done with black powder, and dynamite. I recommended the use of flameless powder, on my next visit they were using Nyalite. I also found dynamite in some of the places.

The man that was in charge of the mine on the day I inspected it last was killed. He gave me his name as H. Holliday. He said he was just on for that day as Mr. Bachman was sick.

Most of the 9 men killed are very badly burned and mutilated, indicating that the explosion was violent.

In the neck of one room off the air course a very heavy charge of dynamite had been exploded. I will write you more fully tomorrow.

Very truly yours,

(Signed) J. G. BOYD,

Mine Inspector 8th District.

—————o—————

The following letters of instruction were issued by the Chief of the Department of Mines:

DEPARTMENT OF MINES.
STATE OF WEST VIRGINIA.

—————
STEAM LOCOMOTIVES.

Charleston, March 10, 1908.

J. G. BOYD, *Mine Inspector.*

Welch, W. Va.

and

D. R. PHILLIPS, *Mine Inspector.*

Bramwell, W. Va.

DEAR SIRS:—

At those mines in your district where steam locomotives are used for haulage purposes within the mines you will please visit at your earliest convenience and if there is, in your judgment, danger to the health or lives of any of the employees by reason of the gases or smoke emitted by the locomotive you will at once give notice of your intention to close the mine according to the provisions of section 16 of the Mine Law.

I especially call your attention to the locomotives used at Turkey Gap Mine and Buckeye Mine.

Kindly acknowledge.

Very truly yours,

J. W. PAUL,

Chief of Department of Mines.

—————o—————

DEPARTMENT OF MINES.
STATE OF WEST VIRGINIA.

—————
SHOOTING ON THE SOLID.

Charleston, March 10, 1908.

To All Inspectors:

Where you find that coal is being shot on the solid in any mine you may inspect, you will give written instructions to the operating company

prescribing the conditions under which such solid shooting may be done, retaining a copy and furnishing this office with a copy, confining the contents of the communication to the subject of solid shooting.

Insist upon an immediate written agreement on the part of the operating company to comply with your instructions.

You will return to the mine at an early date thereafter and if your instructions are not fully complied with you will proceed to close the mine as outlined in section 16 of the Mine Law.

Where you have occasion to prescribe the use of safety powder, and where it is impossible to secure it immediately you will require that shot firers be employed to shoot the coal when all the men are out of the mine, until such time as the safety powder is secured.

Please acknowledge.

Very respectfully,

J. W. PAUL,

Chief of Department of Mines.

DEPARTMENT OF MINES.
STATE OF WEST VIRGINIA.

_____, W. Va., _____, 1908.

J. W. PAUL, Esq.,

Chief of Department of Mines,

Charleston, W. Va.

DEAR SIR:—

I hereby acknowledge the receipt of yours of March 10th, 1908, relative to shooting on the solid.

Very respectfully,

.....,
Mine Inspector ——— District.

_____o_____

DEPARTMENT OF MINES.
STATE OF WEST VIRGINIA.

WATERING DUSTY MINES.

Charleston, March 10, 1908.

To All Inspectors:

When you find any part of a mine dusty you will insist upon the same being made wet immediately.

Where you find a mine dusty to the extent that it cannot be made wet immediately or where you find the facilities for wetting the entries and rooms inadequate you will proceed to close the mine in accordance with the provisions of section 16 of the Mine Law.

You will at all times impress upon the management the importance of removing from the mine all fine coal.

Please acknowledge.

Very respectfully,

J. W. PAUL,

Chief of Department of Mines.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

_____, W. Va., _____, 1908.

J. W. PAUL, Esq.,

Chief of Department of Mines,

Charleston, W. Va.

DEAR SIR:—

I hereby acknowledge the receipt of yours of March 10th, 1908, relative to watering dusty mines.

Very respectfully,

Mine Inspector ——— District.

—o—

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

INSTALLATION OF SAFETY LAMPS.

Charleston, March 10, 1908.

To All Inspectors:

Wherein you find explosive gas in any part of a mine, where, in your judgment, it is unsafe to use open lamps you will insist, in writing, upon the immediate adoption of locked safety lamps, and where it is impractical to secure the lamps immediately you will insist upon the men being withdrawn at once, which assurance you will obtain in writing.

In event of your being unable to have an immediate compliance you will proceed to close the mine under the provisions of section 16 of the Mine Law.

Please acknowledge.

Very respectfully,

J. W. PAUL,

Chief of Department of Mines.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

_____, W. Va., _____, 1908.

J. W. PAUL, Esq.,

Chief of Department of Mines,

Charleston, W. Va.

DEAR SIR:—

I hereby acknowledge the receipt of yours of March 10th, 1908, relative to installation of safety lamps.

Very respectfully,

.....,

Mine Inspector ——— District.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

SECOND OPENINGS.

Charleston, March 11, 1908.

To All Inspectors:

To make certain that your instructions as well as the laws are being fully complied with in reference to a second opening being available and kept clear of obstructions, you will visit such mines at your earliest convenience, where no second opening has as yet been provided and see that not more than 20 persons are working in any shift, and give written instructions to the operator of the mine to exercise due caution in complying with the provisions of the law, obtaining a written promise for a compliance during your absence from the mine. Where you find the second opening obstructed so as to prevent travel therein you will exercise the same vigilance.

At any mines where you find such violations you will institute prosecutions and at the same time proceed to close the mine.

Very truly yours,

J. W. PAUL,
Chief of Department of Mines.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

MINE FOREMEN'S RECORD BOOKS.

FIRE BOSSES' RECORD BOOKS.

Charleston, March 11, 1908.

To All Inspectors:

At any mine in your district where you find that the proper records of mine foremen or fire bosses are not kept, you will proceed to bring prosecutions for violation of the law against those persons or operators at fault.

Very respectfully,

J. W. PAUL,
Chief of Department of Mines.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

STOPPINGS.

_____, W. Va., _____, 1908.

.....,
Name of operator of mine.

GENTLEMEN:—

On the day of, 190., I inspected your

mine in County and approve the character of stoppings being
used in the mine in the following places, to-wit

I disapprove the character of stoppings being used in the mine in the
following places to-wit:

I recommend that you at once reconstruct these stoppings out of.....

Inattention to this notice will compel me to resort to legal proceedings.

Very respectfully,

District Mine Inspector.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

PROSECUTIONS.

State of West Virginia vs.
(Name of person, firm or corporation,)

Name of Mine, Post office,

County where located

Before what court of justice was case brought?

On what date was complaint entered?

On what date was trial had? Where?

What complaint was made by the Inspector?

Who were the witnesses for the State?

How many witnesses appeared for the defense?

What attorney appeared for the State?

What attorney appeared for the defense?

Was the defendant convicted?

What was the fine or sentence imposed?

Remarks:

Send each month one form for each person, firm or corporation prosecuted to the office of the Chief of Department of Mines.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

PROSECUTIONS.

Month of , 190..
County of
Mine District No.
Inspector:
Against:
For violation of sections
.....
Conviction (yes or no)?
Before whom or what court
.....
.....

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

....., W. Va., , 190..

J. W. PAUL, Esq.,
Chief of Department of Mines,
Charleston, W. Va.

DEAR SIR:—

I hereby acknowledge the receipt of yours of March 11th, 1908, concern-
ing:

- Second Openings,
- Mine foremen and Fire Bosses' Records,
- Stoppings and
- Prosecutions

Very truly,
.....
District Mine Inspector.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

AIR CHECKS.

Charleston, March 13, 1908.

To All District Mine Inspectors:

The Mine Law requires that as the excavations advance breakthroughs
for air shall be made at distances not to exceed 80 feet, or brattice shall
be used so as to properly ventilate the working faces.

Checks are also required to be used so as to divert the air current into
the rooms.

Where the Inspector finds that checks are not in use on the entries, and
the air current is not being diverted into the rooms, he will, under author-
ity of law vested in him, order the men out of the rooms and give written

notice to the operator to keep the men out until such a time as the law is complied with. For failure to observe this provision of the law the Inspector will prosecute those responsible for the violation of the law.

Very respectfully,

J. W. PAUL,

Chief of Department of Mines.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

_____, W. Va. _____, 190..

J. W. PAUL, Esq.,

Chief of Department of Mines,

Charleston, W. Va.

DEAR SIR:—

I am in receipt of yours of March 13th, 1908, relative to Air Checks.

Very truly,

.....

District Mine Inspector.

____—o____—

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

Charleston, May 4, 1908.

To Each District Mine Inspector:

We feel that the operators and miners have had ample time to become familiar with the law, and that they should now be prepared to comply fully with its requirements.

Therefore where the coal company has posted rules and regulations for the government of its mine or mines and you find men working in violation to the same, bring prosecutions at once. This applies particularly to shooting on the solid, and in general to the rulings of this Department of July 1st, 1907.

I would like to call your attention, especially to my previous letters of instruction; to that section of the law regulating the number of men on one split in the air current; also those sections in regard to refuge holes.

Very truly,

J. W. PAUL,

Chief of Department of Mines.

By J. G. Ross,

Office and Field Assistant.

____—o____—

REGULATIONS GOVERNING THE INTRODUCTION OF ELECTRICITY IN THE FEDERAL MINE. PENDING A GENERAL ACT OF THE LEGISLATURE COVERING THE INTRODUCTION OF ELECTRICITY AND ITS USE IN COAL MINES IN THE STATE OF WEST VIRGINIA.

Rule 1. Nothing in these regulations shall be construed as giving the

sanction of the West Virginia Mine Inspectors to the use of any apparatus or device installed hereunder after the same has been condemned by any subsequent act of the Legislature, and all rules and regulations herein mentioned and apparatus installed hereunder are to apply alone to the installation of electricity at the Federal mine until such time as a general act of the West Virginia Legislature shall definitely prescribe regulations covering the installation and use of electricity in coal mines and at which time the Federal Coal & Coke Company will make its plant installed hereunder, conform to the provisions of such an act.

2. The current used inside the mine will be low tension 250 volt direct current.

3. All electrical apparatus and conductors shall be sufficient in size and power for the work they may be called upon to do and so installed, worked and maintained as to reduce the danger through accidental shock or fire to the minimum and shall be of such construction and so worked that the rise in temperature caused by ordinary working will not be greater than demanded by Fire Underwriters' Rules Governing such installation in surface structures.

In any part of the Mine where safety lamps are used the wiring shall be so hung and the insulators so constructed that there will be no danger of firing gas by short circuiting, sparking arcing of the current.

4. The insulation of every complete circuit other than signal or telephone wires used for the supply of energy, including all machinery, apparatus, and devices forming part of or in connection with such circuit, shall be so maintained that the leakage current shall so far as is reasonably practicable, not exceed 1-1000 of the maximum supply current, and suitable means shall be provided for the immediate localization of leakage.

5. In every completely insulated circuit, earth or fault detectors shall be kept connected up in every generating and transforming station, to show immediately any defect in the insulation of the system. The reading of these instruments shall be recorded daily in a book kept at the generating or transforming station or switch-house.

6. Main and distribution switch and fuse boards must be made of incombustible insulating material, such as marble or slate free from metallic veins, and be fixed in as dry a situation as practicable.

7. Every sub-circuit must be protected by a fuse on each pole. Every circuit carrying more than 5 amperes up to 125 volts or 3 amperes at any pressure above 125 volts, must be protected in one of the following alternative methods:—

(a) By an automatic maximum cut-out on each pole.

(b) By a detachable fuse on each pole, constructed in such a manner that it can be removed from a live circuit with the minimum risk of shock.

(c) By a switch and fuse on each pole.

8. Firebuckets filled with clean dry sand, shall be kept in electrical machine rooms, ready for immediate use in extinguishing fires.

No repair or cleaning of the live parts of any electrical apparatus except mere wiping or oiling shall be done when the current is on.

Gloves, mats, or shoes of india-rubber or other non-conducting material shall be supplied or used where the live parts of switches or machines working at a pressure exceeding the limits of the low pressure, have to be handled for the purpose of adjustment.

9. A competent person shall be on duty at the mine when the electrical apparatus or machinery is in use; and at such time as the amount of electricity delivered down the mine exceeds 200 b. h. p., a competent person shall be on duty at the mine above ground, and another below ground. Every person appointed to work any electrical apparatus shall have been instructed in his duty and be competent for the work that he is set to do.

10. No person shall wilfully damage, interfere with, or without proper authority remove or render useless any electric line or any machine, apparatus, or part thereof, used in connection with the supply or use of electricity.

11. Instructions shall be posted up in every generating, transforming, and motor house containing directions as to the restoration of persons suffering from electric shock.

12. Direct telephonic or other equivalent means of communication shall be provided between the surface and the pit bottom or main distributing center in the pit.

13. Within three days after the introduction of electricity into the Federal Mine, notice in writing must be sent to the Chief of the Department of Mines of the State of West Virginia that the plant is ready for inspection.

14. A plan shall be kept at the Mine showing the positions of all permanent electrical machinery and cables in the Mine, and shall be corrected as often as may be necessary to keep it up to a date not more than three months previously.

15. There shall be a passageway in front of the switch-board of not less than 3ft. in width, and if there are any connections at the back of the switch-board, any passageway at the back of the switch-board shall not be less than 3 ft. clear. This space shall not be utilized for a store-room or a lumber room, or obstructed in any way by resistance frames, meters, or otherwise. If space is required for resistance frames or other electrical apparatus behind the board, the passageway must be widened accordingly.

No cable shall cross the passageway at the back of the board except below the floor, or at a height of not less than 7 ft. above the floor.

The space at the back of the switch-board shall be properly floored, accessible from each end, and, except in the case of low pressure switch-boards, must be locked up, but the lock must allow of the door being opened from the inside without the use of a key. The floor at the back shall be incombustible, firm and even.

16. Every generator shall be provided with a switch on each pole between the generator and the bus-bars.

Where continuous current generators are paralleled, reverse current cut-outs shall also be provided .

Suitable instruments shall be provided for measuring the current and pressure of each generator.

Ever feeder circuit shall at its origin be provided with an ammeter.

17. If the transmission lines from the generating station to the pit are overhead there shall be lightning arresters in connection with the feeder circuits.

18. Automatic cut-outs must be arranged so that when the contact lever opens outward no danger exists of striking the head of the attendant. If unclosed fuses are used they must be placed within 2 ft. of the floor, or be otherwise suitably protected.

19. No person other than an authorized person shall enter a machine or motor room, or interfere with the working of any machine, motor, or apparatus connected therewith.

20. All conductors (except as hereinafter provided) shall in every case be maintained completely insulated from earth, but it is permissible to use the concentric system with unearthed outer conductor, if proper arrangements are made to reduce the danger from shock or fire to the minimum, but it is not intended that any burdensome expense shall be placed upon the Federal Mines requiring it to exercise more than a reasonable amount of care in the present installation of cables pending the general Act of the Legislature heretofore mentioned.

21. The exposed ends of cables where they enter the terminals of switches, fuses and other appliances, must as far as is reasonably practicable be properly protected and finished off, and encased in flame proof weather proof covering.

22. All joints must be mechanically and electrically efficient, and preference given to soldered joints and in parts of the mine where safety lamps are used, flame proof joint boxes shall be installed with conductors connected by metal screw clamps. In making soldered joints in parts of the mine where safety lamps are used, the space shall first be tested for the presence of gas by the fire boss and the dust in the neighborhood dampened by water.

23. Overhead bare wires on the surface must be efficiently supported upon insulators, and clear of any traffic, and provided with efficient lightning arresters.

24. All cables used in shafts must be highly insulated and substantially fixed. Shaft cables, not capable of sustaining their own weight, shall be properly supported at intervals varying according to the weight of the cables. Where the cables are not completely boxed in and protected from falling material, space shall be left between them and the side of the shaft that they may yield, and so lessen a blow given by falling material.

25. When feeder cables or other cables than trolley wires are strung in haulage roads and cannot be kept at least one foot from the mine cars in transit, they shall be specially protected and where possible carried down other parallel entries. At this mine the trolley wires will be strung upon the upcast air courses and feeder wires will be taken in the downcast. This plan, however, can be reversed at the option of the inspectors.

26. Trailing cables for portable machines shall be specially flexible,

heavily insulated and protected with armouring of steel wire or extra stout braiding or other effective covering. These cables shall be examined at least once a shift by the person in charge of the machine, and defects promptly repaired.

27. Fuses and automatic cut-outs shall be so constructed as effectually to interrupt the current when a short circuit occurs, or when the current through them exceeds the working current by 200 per cent. Fuses shall be stamped or marked, or shall have a label attached, indicating the current with which they are intended to be used, or where fuse wire is used each coil in use shall be stamped or labelled. Fuses shall only be adjusted or replaced by an authorized person.

28. All live parts of switches, fuses, and cut-outs not in machine rooms, or in compartments specially arranged for the purpose must be covered. These covers must be of incombustible material, and must be either non-conducting or of rigid metal, and, as far as practicable, clear of all internal mechanism.

29. All points at which a circuit other than those for signals has to be made or broken shall be fitted with proper switches and should this occur in parts of the mine where safety lamps are used, said switches shall be enclosed in flame-tight boxes.

30. All motors, together with their starting resistances, where used in any part of the mine in which safety lamps are used, shall be protected by switches capable of entirely cutting off the pressure and fixed in a convenient position near the motor and shall be enclosed in a flame-tight case, and where unarmoured cables or wires pass through metal frames or into boxes or motor casings, the holes must be substantially bushed with insulating bushes which shall be gas-tight and cannot become displaced. Terminal boxes must be securely attached to the machine and a safety lamp shall be provided for use with each such machine when working, and should any indication of firedamp appear on the flame of the safety lamp the person in charge shall immediately stop the machine, cut off the current and report the matter to an underground official of the mine.

31. The current for electric locomotives shall not exceed 250 volts and the rooms in the mine shall not be wired for the electric current and no heading shall be wired to within 25 ft. of the heading brattice. The locomotives shall be in all cases gas-proof as to motors, controllers, etc., and in all parts where sparking can occur except the trolley wheel and as soon as a sparkless trolley is devised or other suitable device invented that will prevent sparking at the trolley, that device shall be at once installed in this mine. The gathering locomotives shall be equipped with double cables. The bare trolley wires may be strung and insulated in the best manner practiced in other mines in the Fairmont district pending the general Act of the Legislature but nothing in this clause shall permit the Federal Coal & Coke Co. to install any device in a manner not workmanlike or recognized as dangerous by the recognized standards now in force for wiring in coal mines.

32. Arc lights shall be used only at the shaft bottom if at all, and vacu-

um incandescent lamps at all other places in the mine. Lighting wires shall be strung as carefully in the mine as insurance rules demand for house wiring on the outside and where practicable shall be kept off the haulage entries.

33. There shall be an automatic governor switch attached to the fan shaft in such a manner that when the speed of the fan is reduced to one-half its normal number of revolutions the electric current entering the mine shall be automatically cut out at the switch board.

34. At all times the current of air shall be made to brush each working place and not less than two hundred (200) cubic ft. of air per minute shall be furnished for each person employed in the mine.

35. No bare electric wire shall be strung or conducted through or in close proximity to any abandoned or worked out part of the mine which is not sufficiently ventilated.

PITTSBURG, PA., Sept. 9, 1908.

Approved in accordance with letter of this date.

Signed. J. W. PAUL.

—o—

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.
ON THE ROAD.

PITTSBURG, PA., Sept. 9, 1908.

FEDERAL COAL & COKE CO.,

Fairmont, W. Va.

GENTLEMEN:—

On Sept. 5th, 1908, I requested Mr. L. E. Bryant, your Consulting Engineer, to submit to this department an outline of Specifications for the installation of electric haulage within your Federal Mine, in Marion County, W. Va., and to-day Mr. Bryant and your Mr. Robert Grant, together with District Mining Inspector R. S. LaRue, and myself, have gone over a set of specifications submitted by Mr. Bryant.

Upon examination of these specifications we have revised the same so as to include rules Nos. 33, 34 and 35, and with the specifications so amended we approve of the installation of the haulage equipment to be installed within your mine, pending such legislation as may in the future be enacted by the Legislature of West Virginia.

Herewith may be found a copy of the specifications.

Very truly yours,

(Signed.) J. W. PAUL,

Chief of Department of Mines.

(Signed.) R. S. LARUE,

District Mine Inspector.

September 21, 1908.

FEDERAL COAL & COKE CO.,

Fairmont, W. Va.

GENTLEMEN:—

With reference to the set of thirty-five rules agreed upon on September 9, 1908, for the installation of electric haulage within your mine, we

beg to call your attention to rule 25 and in connection with its provision direct that the trolley wires be confined to the entries through which the fresh intake air current may travel.

Very truly,

J. W. PAUL,

Chief of Department of Mines.

R. S. LARUE,

District Mine Inspector.

COAL PRODUCTION BY GEOLOGICAL SERIES & COUNTIES.

1908.

COUNTIES.	Monongahela. Series No. 15	Conemaugh Series. Elk River No. 14.	Allegheny Kanawha Series No. 13	Pottsville, New River, Pocahontas Series No. 12	Total (Tons 2,240 lbs.)
Brooke	345,544		112,740		458,284
Hancock		60,798	5,713		66,511
Marion	3,440,666				3,440,666
Marshall	369,189				369,189
Ohio	143,698				143,698
Harrison	3,168,042				3,168,042
Lewis	22,640				22,640
Upshur	56,997	19,776			76,773
Barbour	491,420	20,000	317,626		829,046
Monongalia	154,406		117,437		271,843
Preston			874,786		874,786
Taylor	381,651	12,834	1,873		396,358
Grant			242,442		242,442
Mineral	270,839	29,849	321,607		622,295
Randolph			545,803		545,803
Tucker			920,568		920,568
Braxton	91,763				91,763
Gilmer	6,697				6,697
Mason	109,738				109,738
Putnam	424,424				424,424
Clay			42,461		42,461
Fayette		188,155	2,319,767	4,343,349	6,851,271
Kanawha		576,991	3,946,748		4,523,739
Nicholas			61,806		61,806
Greenbrier				36,066	36,066
Raleigh			43,142	1,216,278	1,259,420
Mercer				1,823,674	1,823,674
McDowell				8,515,689	8,515,689
Wyoming				652	652
Lincoln			25,064		25,064
Logan			1,215,039		1,215,039
Mingo			1,714,807		1,714,807
Wayne			35,756		35,756
Totals	9,477,714	908,403	12,865,185	15,935,708	39,187,010

PRODUCTION IN WEST VIRGINIA IN 1908, ACCORDING TO GEOLOGICAL SERIES AND COAL BEDS.—Continued.

(Tons of 2,240 lbs.)

COUNTIES	Allegheny-Kan. Series No. 13. (Lower Kitt'ng.)					Pottsville-New River Series No. 12					Totals.
	Campbell's Creek.	Thacker Davis.	No. 2 Gas.	Powell-ton	Clarion No. 1 Gas.	Sewell	Welch.	Quinn-l-mont and Beckley.	War Creek	Pocahontas No. 4.	Pocahontas No. 3.
Brooke	458,284
Hancock	66,511
Marion	3,440,646
Marshall	369,189
Ohio	143,698
Harrison	3,168,042
Lewis	22,640
Upshur	75,773
Barbour	829,046
Monongalia	271,843
Preston	30,010	.....	.....	.....	.....	.....	.....	.....	.....	.....	874,786
Taylor	336,598
Grant	52,511	.....	.....	.....	.....	.....	.....	.....	.....	242,442
Mineral	127,828	.....	.....	.....	.....	.....	.....	.....	.....	622,295
Randolph	545,803
Tucker	503,014	.....	.....	.....	.....	.....	.....	.....	.....	920,568
Braxton	91,763
Gilmer	6,697
Mason	109,738
Putnam	424,424
Clay	42,461
Payette	1,511,512	141,651	666,604	3,462,428	.....	880,911	.....	.....	6,851,271
Kanawha	64,251	.....	1,512,980	26,351	226,856	.....	.....	.....	.....	.....	4,523,739
Nicholas	1,785	.....	.....	.....	.....	.....	.....	.....	61,806
Greenbrier	650,720	.....	38,006	.....	.....	36,006
Raleigh	565,558	.....	.....	1,239,430
Mercer	1,823,674
McDowell	71,123	1,079,961	1,823,674
Wyoming	922,475	.....	.....	652	6,442,120
Lincoln	25,064
Logan	1,116	.....	696,039	.....	.....	.....	.....	.....	.....	.....	1,215,039
Mingo	1,222,537	.....	.....	.....	.....	.....	.....	.....	.....	1,714,807
Wayne	35,756
Totals	95,377	1,905,890	3,721,936	168,002	893,460	4,113,158	922,475	1,482,535	71,123	1,080,613	8,265,804
Monongahela Series No. 15	9,477,714	.....	.....	.....	.....	.....	.....
Conemaugh (Elk River) Series No. 14	908,403	.....	.....	.....	.....	.....	.....
Allegheny-Kanawha Series, No. 13	12,865,185	.....	.....	.....	.....	.....	.....
Pottsville-New River Series No. 12	15,935,708
Totals	39,187,010

Total. 39,187,010

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